U.S. DEPARTMENT OF COMMERCE
National Technical Information Service

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MODEL STATE INFORMATION SYSTEM FOR THE SAFE DRINKING WATER PROGRAM

VOLUME III: DATA ELEMENT DICTIONARY

DEFINITION OF SYSTEM REQUIREMENTS

AMERICAN MANAGEMENT SYSTEMS, INCORPORATED,
ARLINGTON, VIRGINIA

PREPARED FOR
ENVIRONMENTAL PROTECTION AGENCY,
WASHINGTON, D.C.

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MODEL STATE INFORMATION SYSTEM

For The

SAFE DRINKING WATER PROGRAM

VOLUME III: DATA ELEMENT DICTIONARY

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June 15, 1976

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Abstract

The Model State Information System (MSIS) is a computer-based information system which can be utilized by individual States and/or EPA Regions to perform the minimum data management functions mandated by the Safe Drinking Water Act of 1974 (PL 93-523).

Three major documents were produced by American Management Systems, Inc., for EPA outlining the basic concepts of an informational data management system to meet the water quality monitoring and reporting requirements of the Act. These include:

(Document 1) Feasibility Study for Development and Implementation of a Model State Information System for EPA's Safe Drinking Water Program. June 15, 1976

(Document 2) Introduction to the Model State Information System (MSIS). June 15, 1976

(Document 3) Model State Information System for Safe Drinking Water Program. June 15, 1976. 3 volumes

The South Western Ohio Regional Computer Center (SWORCC) has been engaged by EPA to perform the detailed system design, programming, testing, and documentation of the MSIS. The detailed development phase is currently underway, and all work should be completed by early March 1977.

The MSIS consists of eight subsystems: (1) Public Water Supply Inventory; (2) Water Quality Compliance; (3) Regulations; (4) Federal Reporting; (5) Variances and Exemptions; (6) Enforcement Actions; (7) Sanitary Survey; and (8) Operator and Mailing.

The first four subsystems comprise the basic package, which is required if any portion of the MSIS is to be used. States may select the base package and one or more optional sub-systems, depending on their volume of data and individual needs.

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REFERENCE LIST IN DATA-ELEMENT-NUMBER SEQUENCE

DATA ELEMENT MNEMONIC	DATA ELEMENT NAME	DATA ELEMENT NUMBER
FILE-ID	FILE IDENTIFICATION	001
RECORD-ID	RECORD IDENTIFICATION	002
LAST-UPDATE	DATE OF LAST UPDATE	003
UPDATE-DATE	UPDATING DATE	004
DATA-ELEMENT-CODE	DATA ELEMENT CODE	005
OLD-VALUE	OLD VALUE	006
PWS-ID	PWS IDENTIFICATION NUMBER	007
PWS-STATE	STATE CONTROLLING PWS	008
PWS-NAME	PWS NAME	009
ADDRESS-LINE-1	ADDRESS LINE 1	010
ADDRESS-LINE-2	ADDRESS LINE 2	011
ADDRESS-LINE-3	ADDRESS LINE 3	012
STATE	STATE POSTAL CODE	013
ZIP	ZIP CODE	014
AREA-CODE	TELEPHONE AREA CODE	015
PHONE-NUM	TELEPHONE NUMBER	016
REGULATED-BY	PWS REGULATORY STATUS	017
REGION	STATE ADMINISTRATIVE REGION	018
DISTRICT	STATE'S ADMINISTRATIVE DISTRICT	019
PWS-OWNER-TYPE	PWS OWNER TYPE	020
POP-SERVED	SIZE OF POPULATION SERVED	021
SERVICES-NUM	NUMBER OF SERVICES	022
METERS-NUM	NUMBER OF METERS	0[illegible]
CONSECUTIVE-NUM	NUMBER OF CONSECUTIVE PWSs	024
SERVICE-AREA	SERVICE AREA CHARACTERISTICS	025
NORMAL-CAPACITY	NORMAL PRODUCTION CAPACITY	026
EMERGENCY-POWER	EMERGENCY POWER ONLY	027
STORAGE-CAPACITY	DISTRIBUTION STORAGE CAPACITY	028
PLANT-LOCATION	PLANT LOCATION	029
MAX-PRODUCTION	MAXIMUM DAILY PRODUCTION	030
PWS-TYPW	PWS TYPE	031
ACTIVITY-INDICATOR	ACTIVITY INDICATOR	032
DEACTIVATION-DATE	DATE OF DEACTIVATION	033
DEACTIVATION-REASON	REASON FOR DEACTIVATION	034
EFFECTIVE-DATE	EFFECTIVE DATE	035
EXPIRATION-DATE	EXPIRATION DATE	036
COMPLIANCE-CYCLE	COMPLIANCE CYCLE	037
CONSECUTIVE	CONSECUTIVE PWS INDICATOR	038
MONTHLY	MONTHLY BACTERIOLOGICAL MONITORING	039
PER-QUARTER	NUMBER OF SAMPLES PER QUARTER	040
SEASON-START	DATE SEASON STARTS	041
SEASON-END	DATE SEASON ENDS	042
NON-COMM-FREQ	ALTERNATE SAMPLING FREQUENCY	043
CHLORINE	CHLORINE RESIDUAL PERCENT OF SAMPLES	044
TURBIDITY-UNITS	ALTERNATE TURBIDITY MCL	045
CONTAMINANT-ID	CONTAMINANT IDENTIFICATION	046
SAMPLING-FREQUENCY	MONITORING (SAMPLING) FREQUENCY	047
START-PERIOD	DATE OF STARTING SAMPLING PERIOD	048
END-PERIOD	DATE OF ENDING PERIOD	049
NO-SAMPLING	SAMPLING REQUIREMENT WAIVE INDICATOR	050
NITRATE-FREQ	NITRATE MONITORING FREQUENCY	051

DATA ELEMENT MNEMONIC	DATA ELEMENT NAME	DATA ELEMENT NUMBER
RESERVE	RESERVED AREA	052
RESERVE-FOR-STATE	AREA RESERVED FOR STATE USAGE	053
V-AND-E	VARIANCES AND EXEMPTIONS	054
MCL	MAXIMUM (MINIMUM) CONTAMINANT LEVEL	055
SOURCE-NUM	WATER SOURCES NUMBER	056
SOURCE-NAME	NAME OF WATER SOURCE	057
LATITUDE	LATITUDE OF WATER SOURCE	058
LONGITUDE	LONGITUDE OF WATER SOURCE	059
SOURCE-CODE	SOURCE TYPE CODE	060
TREATMENTS	APPLIED WATER TREATMENTS	061
LAB-CONTROL	LABORATORY CONTROL INDICATORS	062
SAMPLE-TYPE	TYPE OF WATER SAMPLED	063
V&E-DATA	DATA ON V&E	064
OWNER-TYPE	LABORATORY OWNER TYPE	065
LAB-DATA	LABORATORY DATA	066
DESIGN-CAPACITY	DESIGN PRODUCTION CAPACITY	067
START-DATE	SAMPLING PERIOD STARTING DATE	068
END-DATE	SAMPLING PERIOD ENDING DATE	069
PERIOD-TYPE	SAMPLING PERIOD CODE	070
ANALYSIS-METHOD	SAMPLE ANALYSIS METHOD	071
SAMPLES-REQUIRED	NUMBER OF SAMPLES REQUIRED	072
SAMPLES-RECEIVED	NUMBER OF SAMPLES RECEIVED	073
NOT-COMPLY-STATE	NUMBER OF SAMPLES UNCOMPLYING WITH STATE	074
NOT-COMPLY-FED	NUMBER OF SAMPLES UNCOMPLYING WITH FEDERAL	075
HIGHEST-RESULT	HIGHEST ANALYSIS RESULT	076
LOWEST-RESULT	LOWEST ANALYSIS RESULT	077
MEAN-RESULT	MEAN ANALYSIS RESULT	078
LAST-SURVEY-DATE	LAST SURVEY DATE	079
POSITIVE-TUBES	NUMBER OF POSITIVE TUBES	080
SOURCE-ID	NUMBER OF SOURCE WITHIN PWS	081
SAMPLE-DATE	SAMPLE DATE	082
ANALYSIS-DATE	DATE OF ANALYSIS	083
LAB-ID	LABORATORY IDENTIFICATION	084
ANALYSIS-RESULT	ANALYSIS RESULT	085
AIR-TEMPERATURE	AIR TEMPERATURE	086
MINIMUM-INDICATOR	MINIMUM DETECTABLE CONTAMINANT LEVEL	087
VE-ID	VARIANCE OR EXEMPTION IDENTIFICATION	088
VE-ID-REF	VE-ID REFERENCE	089
VE-TYPE	VARIANCE OR EXEMPTION INDICATOR	090
VE-STATUS	STATUS OF V & E	091
MODIFIED-MCL	MODIFIED MCL	092
TREATMENT	TREATMENT CODE	093
VE-ABSTRACT	V & E ABSTRACT	094
REASON	REASON FOR V & E	095
MILESTONE-NUM	NUMBER OF MILESTONES	096
TARGET-DATE	MILESTONE TARGET DATE	097
ACTUAL-DATE	DATE MILESTONE COMPLETED	098
MILESTONE-CODE	MILESTONE CODE	099
DELAY-CODE	REASON FOR DELAY	100
ABSTRACT	V & E MILESTONE ABSTRACT	101
LAB-NAME	NAME OF LABORATORY	102
SELLER-ID	WATER SELLER PWS ID	103

DATA ELEMENT MNEMONIC	DATA ELEMENT NAME	DATA ELEMENT NUMBER
CITY	CITY	104
COUNTY	COUNTY CODE	105
INDIAN-RESERVATION	INDIAN RESERVATION CODE	106
INTERSTATE-CARRIER	INTERSTATE CARRIER FLAG	107
SELLER-WATER	WATER TYPE OF SELLER	108
BEGIN-DATE	DATE PWS BEGUN OPERATION	109
CONTAMINANT-GROUP	CONTAMINANT GROUP	110
MANUAL-FILE	REFERENCE TO MANUAL FILES	111
REPORTING-FLAG	REPORTING MODE FLAG	112
CASE-ID	ENFORCEMENT ACTION CASE IDENTIFICATION	113
CASE-REFERENCE	LEGAL CASE IDENTIFICATION	114
CASE-NAME	NAME OF CASE	115
ACTION-DATE	ACTION DATE	116
CLOSE-INDICATOR	CASE STATUS INDICATOR	117
PARTY-TYPE	ENFORCEMENT ACTION PARTY TYPE	118
CAPTIVE-FLAG	CAPTIVE LABORATORY FLAG	119
PLAINTIFF-INFO	PLAINTIFF INFORMATION	120
DEFENDANT-INFO	DEFENDANT INFORMATION	121
NAME	NAME	122
PHONE	TELEPHONE NUMBER	123
VIOLATION-DATE	VIOLATION DATE	124
VIOLATION-TYPE	TYPE OF VIOLATION	125
CASE-ABSTRACT	ENFORCEMENT OF CASE ABSTRACT	126
LEGAL-STATUS	LEGAL STATUS	127
ADDRESSEE-ID	ADDRESSEE IDENTIFICATION	128
ADDRESSEE-TYPE	ADDRESSEE TYPE	129
CONTAMINANT-NAME	CONTAMINANT NAME	130
REG-LEVEL	REGULATIONS LEVEL	131
REASON-CODE	CODE OF REASON FOR REGULATIONS	132
UNITS	MCL UNITS	133
AREA-LOCATION	SERVICE AREA LOCATION	134
MCL-DECIMALS	MCL DECIMALS	135
CHECK-SAMPLES	CHECK SAMPLES FOR AVERAGING	136
SEASONAL-CODE	SEASONAL SAMPLING INDICATOR	137
SPECIAL-CODE	CODE FOR SPECIAL CONSIDERATIONS	138
YEARS-TO-1ST	YEARS TO FIRST ANALYSIS	139
SAMPLING-FREQUENCY	SAMPLING FREQUENCY	140
GROUND-WATER	GROUND WATER REQUIREMENTS	141
SURFACE-WATER	SURFACE WATER REQUIREMENTS	142
COMMUNITY-PWS	REGULATIONS FOR A COMMUNITY PWS	143
NON-COMMUNITY	REGULATIONS FOR A NON-COMMUNITY PWS	144
MONTHLY-MCL	MCL FOR MONTHLY AVERAGE	145
CONSECUTIVE-MCL	MCL FOR CONSECUTIVE SAMPLES AVERAGE	146
CONSECUTIVE-SAMPLES	NUMBER OF CONSECUTIVE SAMPLES	147
SURFACE-ONLY	WATER SOURCE INDICATOR	148
REPEAT-INCLUDED	REPEAT SAMPLES INDICATOR	149
MEMBRANE-FILTER	MEMBRANE FILTER STANDARDS	150
SINGLE-MCL	MCL FOR A SINGLE SAMPLE	151
PERCENT-SAMPLES	PERCENT OF SAMPLES	152
PERCENT-MCL	MCL FOR PERCENT SAMPLES	153
TUBE-10	FERMENTATION TUBE STANDARDS 10mm PORTION	154
TUBE-100	FERMENTATION TUBE STANDARDS 10mm PORTION	155

DATA ELEMENT MNEMONIC	DATA ELEMENT NAME	DATA ELEMENT NUMBER
SAMPLES-IN-LIEU	NUMBER OF SAMPLES IN LIEU	156
CHLORINE-PERCENT	PERCENT OF SAMPLES FOR CLORIDE RESIDUAL	157
SAMPLING-PERIOD	SAMPLING PERIOD	158
FROM-POPULATION	LOWER LIMIT OF POPULATION SERVED	159
TO-POPULATION	UPPER LIMIT OF POPULATION SERVED	160
VIOLATION-ID	VIOLATION IDENTIFICATION	161
REMARKS	REMARKS ON VIOLATION	162
DEVIATION-TYPE	DEVIATION TYPE	163
DEVIATION-ID	DEVIATION IDENTIFICATION	164
NEW-VALUE	NEW VALUE	165
DEVIATION-CODE	DEVIATION CODE	166
METHOD-NAME	NAME OF ANALYSIS METHOD	167
METHOD-SHORT	ANALYSIS METHOD SHORT NAME	168
REPORTING-BACTI	BACTERIOLOGICAL SAMPLES REPORTING FLAG	169
REPORTING-TURB	TURBIDITY REPORTING MODE	170
REPORT-REQUIRED	OPERATING REPORT REQUIRED	171
LAST-REPORT	DATE OF LAST REPORT	172
RADIOACTIVE MONITORING	RADIOACTIVE MONITORING FLAG	173
NUMBER-OF-WELLS	NUMBER OF WELLS	174
AVAILABILITY	WATER AVAILABILITY CODE	175
BASIN-NUMBER	RIVER BASIN NUMBER	176
LOWER-LIMIT	LOWEST REASONABLE ANALYSIS RESULT	177
HIGHER-LIMIT	HIGHEST REASONABLE ANAYLSIS RESULT	178
CHECK-PERIOD	PERIOD FOR CHECK SAMPLES	179
SAMPLE-KEY	SAMPLE KEY	180
VIOLATION-DURATION	VIOLATION DURATION	181
CHECK-TAKEN	CHECK SAMPLES TAKEN	182
STATE-NOTIFIED	STATE NOTIFIED	183
PUBLIC-NOTIFIED	PUBLIC NOTIFIED	184
VIOLATE-STATE	VIOLATED STATE REGULATIONS	185
VIOLATE-FEDERAL	VIOLATED FEDERAL REGULATIONS	186
ALTERNATE-TREATMENT	ALTERNATE TREATMENT TECHNIQUE CODE	187
REPEAT-EVERY	REPEATING MILESTONE FREQUENCY	188
CERTIFICATE-NUM	NUMBER OF CERTIFICATE	189
OPERATOR-CLASS	OPERATOR CLASS	190
RENEWAL-DATE	CERTIFICATION RENEWAL DATE	191
CONSENT-ORDER-NO	CONSENT ORDER NUMBER	192
CONSENT-ORDER-DATE	CONSENT ORDER DATE	193
PERMIT-NO	PERMIT NUMBER	194
PERMIT-DATE	PERMIT DATE	195

REFERENCE LIST IN ALPHABETICAL ORDER OF DATA ELEMENT MNEMONIC

DATA ELEMENT MNEMONIC	DATA ELEMENT NAME	DATA ELEMENT NUMBER
ABSTRACT	V & E MILESTONE ABSTRACT	101
ACTION-DATE	ACTION DATE	116
ACTIVITY-INDICATOR	ACTIVITY INDICATOR	032
ACTUAL-DATE	DATE MILESTONE COMPLETED	098
ADDRESS-LINE-1	ADDRESS LINE 1	010
ADDRESS-LINE-2	ADDRESS LINE 2	011
ADDRESS-LINE-3	ADDRESS LINE 3	012
ADDRESSEE-ID	ADDRESSEE IDENTIFICATION	128
ADDRESSEE-TYPE	ADDRESSEE TYPE	129
AIR-TEMPERATURE	AIR TEMPERATURE	086
ALTERNATE-TREATMENT	ALTERNATE TREATMENT TECHNIQUE CODE	187
ANALYSIS-DATE	DATE OF ANALYSIS	083
ANALYSIS-METHOD	SAMPLE ANALYSIS METHOD	071
ANALYSIS-RESULT	ANALYSIS RESULT	085
AREA-CODE	TEHEPHONE AREA CODE	015
AREA-LOCATION	SERVICE AREA LOCATIONS	134
AVERAGE-CAPACITY	AVERAGE PRODUCTION CAPACITY	026
BASIN-NUMBER	RIVER BASIN NUMBER	176
BEGIN-DATE	BEGIN DATE	109
CAPTIVE-FLAG	CAPTIVE LABORATORY FLAG	119
CASE-ABSTRACT	ENFORCEMENT OF CASE ABSTRACT	126
CASE-ID	ENFORCEMENT ACTION CASE IDENTIFICATION	113
CASE-NAME	NAME OF CASE	115
CASE-REFERENCE	LEGAL CASE IDENTIFICATION	114
CERTIFICATE-NUM	NUMBER OF CERTIFICATE	189
CHECK-PERIOD	PERIOD FOR CHECK SAMPLES	179
CHECK-SAMPLES	CHECK SAMPLES FOR AVERAGING	136
CHECK-TAKEN	CHECK SAMPLES TAKEN	182
CHLORINE	CHLORINE RESIDUAL PERCENT OF SAMPLES	044
CHLORINE-PERCENT	PERCENT OF SAMPLES FOR CLORIDE RESIDUAL	157
CITY	CITY	104
CLOSE-INDICATOR	CASE STATUS INDICATOR	117
COMMUNITY-PWS	REGULATIONS FOR A COMMUNITY PWS	143
COMPLIANCE-CYCLE	COMPLIANCE CYCLE	037
CONSECUTIVE	CONSECUTIVE PWS INDICATOR	038
CONSECUTIVE-MCL	MCL FOR CONSECUTIVE SAMPLES AVERAGE	146
CONSECUTIVE-NUM	NUMBER OF CONSECUTIVE PWSS	024
CONSECUTIVE-SAMPLES	NUMBER OF CONSECUTIVE SAMPLES	147
CONSENT-ORDER-DATE	CONSENT ORDER DATE	193
CONSENT-ORDER-NO	CONSENT ORDER NUMBER	192
CONTAMINANT GROUP	CONTAMINANT GROUP	110
CONTAMINANT-ID	CONTAMINANT IDENTIFICATION	046
CONTAMINANT NAME	CONTAMINANT NAME	130
COUNTY	COUNTY CODE	105
DATA-ELEMENT-CODE	ELEMENT CODE	005
DEACTIVIATION-DATE	DEACTIVATION DATE	034
DEACTIVATION-REASON	REASON FOR DEACTIVATION	033
DEFENDANT-INGO	DEFENDANT INFORMATION	034
DESIGN-CAPACITY	DESIGN PRODUCTION CAPACITY	067
DEVIATION-CODE	DEVIATION CODE	166
DEVIATION-ID	DEVIATION IDENTIFICATION	164

DATA ELEMENT MNEMONIC	DATA ELEMENT NAME	DATA ELEMENT NUMBER
DEVIATION-TYPE	DEVIATION TYPE	163
DISTRICT	STATE'S ADMINISTRATIVE DISTRICT	019
EFFECTIVE-DATE	EFFECTIVE DATE	035
EMERGENCY-POWER	EMERGENCY POWER ONLY	027
END-DATE	SAMPLING PERIOD ENDING DATE	069
END-PERIOD	DATE OF ENDING SAMPLING PERIOD	049
EXPIRATION-DATE	EXPIRATION DATE	036
FILE-ID	FILE IDENTIFICATION	001
FROM-POPULATION	LOWER LIMIT OF POPULATION SERVED	159
GROUND-WATER	GROUND WATER REQUIREMENTS	141
HIGHER-LIMIT	HIGHEST REASONABLE ANALYSIS RESULT	178
HIGHEST RESULT	HIGHEST ANALYSIS RESULT	076
INDIAN-RESERVATION	INDIAN RESERVATION CODE	106
INTERSTATE-CARRIER	INTERSTATE CARRIER FLAG	107
LAB-CONTROL	LABORATORY CONTROL INDICATORS	062
LAB-DATA	LABORATORY DATA	066
LAB-ID	LABORATORY IDENTIFICATION	084
LAB-NAME	NAME OF LABORATORY	102
LAST-REPORT	DATE OF LAST REPORT	172
LAST-SURVEY-DATE	LAST SURVEY DATE	079
LAST-UPDATE	DATE OF LAST UPDATE	003
LATITUDE	LATITUDE OF WATER SERVICE	058
LEGAL-STATUS	LEGAL STATUS	127
LONGITUDE	LONGITUDE OF WATER SOURCE	059
LOWEST-LIMIT	LOWEST REASONABLE ANALYSIS RESULT	177
LOWEST-RESULT	LOWEST ANALYSIS RESULT	077
MANUAL-FILE	REFERENCE TO MANUAL FILES	111
MAX-PRODUCTION	MAXIMUM DAILY PRODUCTION	030
MCL	MAXIMUM (MINIMUM) CONTAMINANT LEVEL	055
MCL-DECIMALS	MCL DECIMALS	135
MEAN-RESULT	MEAN ANALYSIS RESULT	078
MEMBRANE-FILTER	MEMBRANE FILTER STANDARDS	150
METERS-NUM	NUMBER OF METERS	023
METHOD-NAME	NAME OF ANALYSIS METHOD	167
METHOD-SHORT	ANALYSIS SHORT METHOD	168
MILESTONE-CODE	MILESTONE CODE	099
MILESTONE-NUM	NUMBER OF MILESTONS	096
MINIMUM-INDICATOR	MINIMUM DETECTABLE CONTAMINANT LEVEL	087
MODIFIED-MCL	MODIFIED MCL	092
MONTHLY	MONTHLY BACTERIOLOGICAL MONITORING	039
MONTHLY-MCL	MCL FOR MONTHLY AVERAGE	145
NAME	NAME	122
NEW-VALUE	NEW VALUE	165
NITRATE-FREQ	NITRATE MONITORING FREQUENCY	051
NO-SAMPLING	SAMPLING REQUIREMENT WAIVE INDICATOR	050
NON-COMM-FREQ	ALTERNATE SAMPLING FREQUENCY	043
NON-COMMUNITY	REGULATIONS FOR A NON-COMMUNITY PWS	144
NOT-COMPLY-FED	NUMBER OF SAMPLES UNCOMPLYING WITH FEDERAL	075
NOT-COMPLY-STATE	NUMBER OF SAMPLES UNCOMPLYING WITH STATE	074

DATA ELEMENT MNEMONIC	DATA ELEMENT NAME	DATA ELEMENT NUMBER
NUMBER-OF-WELLS	NUMBER OF WELLS	174
OLD-VALUE	OLD VALUE	096
OPERATOR-CLASS	OPERATOR CLASS	190
OWNER-TYPE	LABORATORY OWNER TYPE	065
PARTY-TYPE	ENFORCEMENT ACTION PARTY TYPE	118
PER-QUARTER	NUMBER OF SAMPLES PER QUARTER	040
PERCENT-MCL	MCL FOR PERCENT SAMPLES	153
PERCENT-SAMPLES	PERCENT OF SAMPLES	152
PERIOD-TYPE	SAMPLING PERIOD CODE	070
PERMIT-NO	PERMIT NUMBER	194
PERMIT-DATE	PERMIT DATE	195
PHONE	TELEPHONE NUMBER	123
PHONE-NUM	TELEPHONE NUMBER	016
PLAINTIFF-INFO	PLAINTIFF INFORMATION	120
PLANT-LOCATION	PLANT LOCATION	029
POP-SERVED	SIZE OF POPULATION SERVED	021
POSITIVE-TUBES	NUMBER OF POSITIVE TUBES	080
PUBLIC-NOTIFIED	PUBLIC NOTIFIED	184
PWS-ID	PWS IDENTIFICATION NUMBER	007
PWS-NAME	PWS NAME	009
PWS-OWNER-TYPE	PWS OWNER TYPE	020
PWS-STATE	STATE CONTROLLING PWS	008
PWS-TYPE	PWS TYPE	031
RADIOACTIVE-MONITORING	RADIOACTIVE MONITORING FLAG	173
REASON	REASON FOR V & E	095
REASON-CODE	CODE OF REASON FOR REGULATIONS	173
RECORD-ID	RECORD IDENTIFICATION	002
REG-LEVEL	REGULATIONS LEVEL	131
REGION	STATE ADMINISTRATIVE REGION	018
REGULATED-BY	PWS REGULATORY STATUS	017
REMARKS	REMARKS ON VIOLATION	162
RENEWAL-DATE	CERTIFICATION RENEWAL DATE	191
REPEAT-EVERY	REPEATING MILESTONE FREQUENCY	188
REPEAT-INCLUDED	REPEAT SAMPLES INDICATOR	149
REPORTING-BACTI	BACTERIOLOGICAL SAMPLES REPORTING FLAG	169
REPORTING-FLAG	REPORTING MODE FLAG	112
REPORTING-TURB	TURBIDITY REPORTING MODE	170
REPORT-REQUIRED	OPERATING REPORT REQUIRED	171
RESERVE	RESERVED AREA	052
RESERVE-FOR-STATE	AREA RESERVED FOR STATE USACE	053
SAMPLE-DATE	SAMPLE DATE	082
SAMPLE-KEY	SAMPLE KEY	180
SAMPLE-TYPE	TYPE OF WATER SAMPLES	063
SAMPLES-IN-LIEU	NUMBER OF SAMPLES IN LIEU	156
SAMPLES-RECEIVED	NUMBER OF SAMPLES RECEIVED	073
SAMPLES-REQUIRED	NUMBER OF SAMPLES REQUIRED	072
SAMPLING-FREQUENCY	MONITORING (SAMPLING) FREQUENCY	047
SAMPLING-FREQUENCY	SAMPLING FREQUENCY	140
SAMPLING-PERIOD	SAMPLING PERIOD	158
SEASON-END	DATE SEASON ENDS	042
SEASON-START	DATE SEASON STARTS	041
SEASONAL-CODE	SEASONAL SAMPLING INDICATOR	137
SELLER-ID	WATER SELLER PWS ID	103
SELLER-WATER	WATER TYPE OF SELLER	108
SERVICE-AREA	SERVICE AREA CHARACTERISTIC	025

DATA ELEMENT MNEMONIC	DATA ELEMENT NAME	DATA ELEMENT NUMBER
SERVICES-NUM	NUMBER OF SERVICES	Ø22
SINGLE-MCL	MCL FOR A SINGLE SAMPLE	151
SOURCE-CODE	SOURCE TYPE CODE	Ø6Ø
SOURCE-ID	NUMBER OF SOURCE WITHIN PWS	Ø81
SOURCE-NAME	NAME OF WATER SOURCE	Ø57
SOURCE-NUM	WATER SOURCES NUMBER	Ø56
SPECIAL-CODE	CODE FOR SPECIAL CONSIDERATIONS	138
START-DATE	SAMPLING PERIOD STARTING DATE	Ø68
STATE	STATE POSTAL CODE	Ø13
STATE-NOTIFIED	STATE NOTIFIED	183
STORAGE-CAPACITY	DISTRIBUTION STORAGE CAPACITY	Ø28
SURFACE-ONLY	WATER SOURCE INDICATOR	148
SURFACE-WATER	SURFACE WATER REQUIREMENTS	142
TARGET-DATE	MILESTONE TARGET DATE	Ø97
TO-POPULATION	UPPER LIMIT OF POPULATION SERVED	16Ø
TREATMENT	TREATMENT CODE	Ø93
TREATMENTS	APPLIED WATER TREATMENTS	Ø61
TUBE-10	FERMENTATION TUBE STANDARDS 10mm PORTION	154
TUBE-100	FERMENTATION TUBE STANDARDS 10mm PORTION	155
TURBIDITY-UNITS	ALTERNATE TURBIDITY MCL	Ø45
UNITS	MCL UNITS	133
UPDATE-DATE	UPDATING DATE	ØØ4
V&E-DATA	DATA ON V & E	Ø64
V-AND-E	VARIANCES AND EXEMPTIONS	Ø54
VE-ABSTRACT	V & E ABSTRACT	Ø94
VE-ID	VARIANCE OR EXEMPTION IDENTIFICATION	Ø88
VE-ID-REF	VE-ID REFERENCE	Ø89
VE-STATUS	STATUS OF V & E	Ø91
VE-TYPE	VARIANCE OR EXEMPTION INDICATOR	Ø9Ø
VIOLATE-FEDERAL	VIOLATED FEDERAL REGULATIONS	186
VIOLATE-STATE	VIOLATED STATE REGULATIONS	185
VIOLATION-DATE	VIOLATION DATE	124
VIOLATION-ID	VIOLATION IDENTIFICATION	161
VIOLATION-TYPE	TYPE OF VIOLATION	125
YEARS-TO-1ST	YEARS TO FIRST ANALYSIS	139
ZIP	ZIP CODE	014

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE: 1/7/76 REVISION DATE __/__/__ REVISION NO. ____ PAGE __OF__

PREPARED BY: AMERICAN MANAGEMENT SYSTEMS, INC.

DATA ELEMENT CATALOG. REF. 001	DATA ELEMENT MNEMONIC FILE-ID	DATA ELEMENT NAME FILE IDENTIFICATION

DESCRIPTION AND USE:

A code describing a MSIS file. Used to identify a source file of a MSIS History File record.

DATA TYPE: A/N PICTURE: X(1)	SUB FIELDS DESCRIPTION: NONE	STATUS RESERVED ☐ CURRENT ☒

SOURCE(S): Internally generated

EXISTS IN FILE/TABLE

PWSIF	SAF	VEF	PWS TABLE	EAF	REGS	OPER & MAIL	VIOLATIONS	METHODS	DEVIATIONS	MSIS HISTORY
										x

INPUT/OUTPUT TO SUBSYSTEMS

PWSI	COMPLY	V & E	FEDR		ENFORCE	REGS	MAIL	SURVEY

EPA REPORTING: No

VALUES:

P-PWSIF
S-SAF
V-VEF
L-LIF
E-EAF
M-MAIL
I-VIOLATIONS

EDITS AND VALIDATIONS:

NONE

COMMENTS:

NONE

MODEL STATE INFORMATION SYSTEM
DATA ELEMENT DESCRIPTION

DATE: 1/7/76 REVISION DATE __/__/__ REVISION NO. ____ PAGE __OF__

PREPARED BY: AMERICAN MANAGEMENT SYSTEMS, INC.

DATA ELEMENT CATALOG. REF.	DATA ELEMENT MNEMONIC	DATA ELEMENT NAME
002	RECORD-ID	RECORD IDENTIFICATION

DESCRIPTION AND USE:
The identification of a MSIS record that was updated. Used to identify the original record.

DATA TYPE	SUB FIELDS DESCRIPTION	STATUS
Numeric	NONE	RESERVED ☐
PICTURE: 9(5)		CURRENT ☒

SOURCE(S): Internally generated

EXISTS IN FILE/TABLE

PWSIF	SAF	VEF	PWS TABLE	EAF	REGS	OPER & MAIL VIOLATIONS	METHODS	DEVIATIONS	MSIS HISTORY
x		x	x	x		x			x

INPUT/OUTPUT TO SUBSYSTEMS

PWSI	COMPLY	V & E	FEDR		ENFORCE	REGS	MAIL	SURVEY

EPA REPORTING: No

VALUES: As was on the original MSIS file.

EDITS AND VALIDATIONS:
NONE

COMMENTS:
NONE

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE: 1/7/76 REVISION DATE __/__/__ REVISION NO. ____ PAGE __OF__

PREPARED BY: AMERICAN MANAGEMENT SYSTEMS, INC.

DATA ELEMENT CATALOG. REF. 003	DATA ELEMENT MNEMONIC LAST-UPDATE	DATA ELEMENT NAME DATE OF LAST UPDATE

DESCRIPTION AND USE:

Date on which the record was last updated. Used to establish an audit trail.

DATA TYPE: Numeric PICTURE: 9(5)	SUB FIELDS DESCRIPTION: YYnnn (Julian format)	STATUS RESERVED ☐ CURRENT ☒

SOURCE(S): Internally generated

EXISTS IN FILE/TABLE										
PWSIF	SAF	VEF	PWS TABLE	EAF	REGS	OPER & MAIL	VIOLATIONS	METHODS	DEVIATIONS	MSIS HISTORY
x		x		x		x	x			x

INPUT/OUTPUT TO SUBSYSTEMS								
PWSI	COMPLY	V & E	FEDR		ENFORCE	REGS	MAIL	SURVEY
x		x			x		x	

EPA REPORTING No

VALUES: A date.

EDITS AND VALIDATIONS: None

COMMENTS: None

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE: 1/7/76 REVISION DATE __/__/__ REVISION NO. ____ PAGE __OF__

PREPARED BY: AMERICAN MANAGEMENT SYSTEMS, INC.

DATA ELEMENT CATALOG. REF. 004	DATA ELEMENT MNEMONIC UPDATE-DATE	DATA ELEMENT NAME UPDATING DATE

DESCRIPTION AND USE:

Date a MSIS record was updated. Used on the MSIS History File to identify changed data elements according to the date of the change.

DATA TYPE: Numeric PICTURE: 9(5)	SUB FIELDS DESCRIPTION: YYnnn (Julian format)	STATUS RESERVED ☐ CURRENT ☒

SOURCE(S): Internally generated

EXISTS IN FILE/TABLE											
PWSIF	SAF	VEF	PHS TABLE	EAF	REGS	OPER & MAIL	VIOLATIONS	METHODS	DEVIATIONS	MSIS HISTORY
										x

INPUT/OUTPUT TO SUBSYSTEMS									
PWSI	COMPLY	V & E	FEDR		ENFORCE	REGS	MAIL	SURVEY.

EPA REPORTING No'

VALUES:

Copied from system's date

EDITS AND VALIDATIONS:

NONE

COMMENTS:

NONE

MODEL STATE INFORMATION SYSTEM
DATA ELEMENT DESCRIPTION

DATE: 1/7/76 REVISION DATE __/__/__ REVISION NO. ____ PAGE __OF__

PREPARED BY: AMERICAN MANAGEMENT SYSTEMS, INC.

DATA ELEMENT CATALOG. REF.	DATA ELEMENT MNEMONIC	DATA ELEMENT NAME
005	DATA-ELEMENT-CODE	DATA ELEMENT CODE

DESCRIPTION AND USE:
A numeric code identifying a MSIS data element.

DATA TYPE	SUB FIELDS DESCRIPTION:	STATUS
PICTURE: 9(3)	NONE	RESERVED ☐ CURRENT ☒

SOURCE(S): Internally generated

EXISTS IN FILE/TABLE											
PWSIF	SAF	VEF	PWS TABLE	EAF	REGS	OPER & MAIL	VIOLATIONS	METHODS	DEVIATIONS	MSIS HISTORY
										x

INPUT/OUTPUT TO SUBSYSTEMS									
PWSI	COMPLY	V & E	FEDR		ENFORCE	REGS	MAIL	SURVEY

EPA REPORTING: No

VALUES: MSIS data element dictionary.

EDITS AND VALIDATIONS:
NONE

COMMENTS:
NONE

MODEL STATE INFORMATION SYSTEM
DATA ELEMENT DESCRIPTION

DATE: 1/7/76 REVISION DATE __/__/__ REVISION NO. ____ PAGE __OF__

PREPARED BY: AMERICAN MANAGEMENT SYSTEMS, INC.

DATA ELEMENT CATALOG. REF.	DATA ELEMENT MNEMONIC	DATA ELEMENT NAME
006	OLD-VALUE	OLD VALUE

DESCRIPTION AND USE:

The value of a MSIS record before an update action changed its value. Used in the MSIS History File for audit trail.

DATA TYPE	SUB FIELDS DESCRIPTION:	STATUS
A/N		RESERVED ☐
PICTURE: X(30)	NONE	CURRENT ☒

SOURCE(S):

MSIS Record that was updated.

EXISTS IN FILE/TABLE

PWSIF	SAF	VEF	PWS TARII	EAF	REGS	OPEE A MAII	VIOLATIONS	METHODS	DEVIATIONS	MSIS HISTORY
x		x	x	x		x	x			

INPUT/OUTPUT TO SUBSYSTEMS

PWSI	COMPLY	V & E	FEDR		ENFORCE	REGS	MAIL	SURVEY

EPA REPORTING: No

VALUES:

The original value of the data element. Dates in Julian format are converted to regular (MMDDYY) format.

EDITS AND VALIDATIONS:

NONE

COMMENTS:

NONE

MODEL STATE INFORMATION SYSTEM
DATA ELEMENT DESCRIPTION

DATE: 1/7/76 REVISION DATE 4/15/76 REVISION NO. 1 PAGE __OF__

PREPARED BY: AMERICAN MANAGEMENT SYSTEMS, INC.

DATA ELEMENT CATALOG. REF.	DATA ELEMENT MNEMONIC	DATA ELEMENT NAME
007	PWS-ID	PWS IDENTIFICATION NUMBER

DESCRIPTION AND USE:

A five digit number uniquely identifying a Public Water System within a state. Used as the sort key of the PWSIF

DATA TYPE	SUB FIELDS DESCRIPTION:	STATUS
DATA TYPE: Numeric		RESERVED ☐
PICTURE: 9(7)	NONE	CURRENT ☒

SOURCE(S):

Determined by an input clerk at time of PWS record creation.

EXISTS IN FILE/TABLE										
PWSIF	SAF	VEF	PWS TABLE	EAF	REGS	OPER & MAIL	VIOLATIONS	METHODS	DEVIATIONS	MSIS HISTORY
x	x	x	x	x		x	x		x	

INPUT/OUTPUT TO SUBSYSTEMS								
PWSI	COMPLY	V & E	FEDR		ENFORCE	REGS	MAIL	SURVEY
x	x	x	x		x		x	x

EPA REPORTING No

VALUES:

00000 to 99999

EDITS AND VALIDATIONS:

1. Must be numeric.
2. On addition transaction to the PWSIF - an identical number must not exist on the PWSIF.
3. Any other transaction - a corresponding number must exist on the PWSIF and the PWSI Table.

COMMENTS:

NONE

MODEL STATE INFORMATION SYSTEM
DATA ELEMENT DESCRIPTION

DATE: 4 / 15 / 76 REVISION DATE __/__/__ REVISION NO. ____ PAGE __ OF __

PREPARED BY: AMERICAN MANAGEMENT SYSTEMS, INC.

DATA ELEMENT CATALOG. REF.	DATA ELEMENT MNEMONIC	DATA ELEMENT NAME
008	PWS-STATE	State Controlling PWS

DESCRIPTION AND USE:
The postal code of the state which controls the PWS (may be different from the mailing address).

DATA TYPE	SUB FIELDS DESCRIPTION	STATUS
A/N	013-STATE	RESERVED [ ]
PICTURE: X(2)		CURRENT [X]

SOURCE(S):

EXISTS IN FILE/TABLE

PWSIF	SAF	VEF	PWS TABLE	EAF	REGS	OPER & MAIL	VIOLATIONS	METHODS	DEVIATIONS	MSIS HISTORY
X										

INPUT/OUTPUT TO SUBSYSTEMS

PWSI	COMPLY	V & E	FEDR		ENFORCE	REGS	MAIL	SURVEY

EPA REPORTING: Yes

VALUES:
One of 56 postal codes assigned to states and trust territories. (Canal Zone is not included)

EDITS AND VALIDATIONS:
Value must be one of the above mentioned 57 codes.

COMMENTS:
none

MODEL STATE INFORMATION SYSTEM
DATA ELEMENT DESCRIPTION

DATE: 1/7/76 REVISION DATE __/__/__ REVISION NO. ____ PAGE __OF__

PREPARED BY: AMERICAN MANAGEMENT SYSTEMS, INC.

DATA ELEMENT CATALOG. REF.	DATA ELEMENT MNEMONIC	DATA ELEMENT NAME
009	PWS-NAME	PWS NAME

DESCRIPTION AND USE:

The official name of a public water system.

DATA TYPE	SUB FIELDS DESCRIPTION	STATUS
A/N	NONE	RESERVED ☐
PICTURE: X(30)		CURRENT ☒

SOURCE(S): PWS permit documents

EXISTS IN FILE/TABLE

PWSIF	SAF	VEF	PWS TABLE	EAF	REGS	OPER & MAIL	VIOLATIONS	METHODS	DEVIATIONS	MSIS HISTORY
x			x							

INPUT/OUTPUT TO SUBSYSTEMS

PWSI	COMPLY	V & E	FEDR		ENFORCE	REGS	MAIL	SURVEY
x								

EPA REPORTING Yes

VALUES: Any character string.

EDITS AND VALIDATIONS: NONE

COMMENTS: NONE

PWSIS — MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE: 1/7/76 REVISION DATE __/__/__ REVISION NO. ____ PAGE __OF__

PREPARED BY: AMERICAN MANAGEMENT SYSTEMS, INC.

DATA ELEMENT CATALOG. REF.	DATA ELEMENT MNEMONIC	DATA ELEMENT NAME
010	ADDRESS-LINE-1	ADDRESS LINE 1

DESCRIPTION AND USE:
On mailing it will be printed as the 1st address line following the name. As part of a PWS address in a PWS record, it must contain the street address.

DATA TYPE	SUB FIELDS DESCRIPTION	STATUS
A/N	NONE	RESERVED [ ]
PICTURE: X(30)		CURRENT [x]

SOURCE(S):
PWS permit documents

EXISTS IN FILE/TABLE

PWSIF	SAF	VEF	PWS TABLE	EAF	REGS	OPER & MAIL	VIOLATIONS	METHODS	DEVIATIONS	MSIS HISTORY
x		x	x	x		x				

INPUT/OUTPUT TO SUBSYSTEMS

PWSI	COMPLY	V & E	FEDR		ENFORCE	REGS	MAIL	SURVEY
x	x	x	x	x	x		x	x

EPA REPORTING
Yes
(For PWS)

VALUES:
Any characters string. As a part of a PWS address, it must contain the street address, because address lines 2 and 3 are reserved for city and county names.

EDITS AND VALIDATIONS:
NONE

COMMENTS:
NONE

MODEL STATE INFORMATION SYSTEM
DATA ELEMENT DESCRIPTION

DATE: 1/7/76 REVISION DATE __/__/__ REVISION NO. ____ PAGE __OF__

PREPARED BY: AMERICAN MANAGEMENT SYSTEMS, INC.

DATA ELEMENT CATALOG. REF.	DATA ELEMENT MNEMONIC	DATA ELEMENT NAME
Ø11	ADDRESS-LINE-2	ADDRESS LINE 2

DESCRIPTION AND USE:
The second line of an address.

DATA TYPE:	SUB FIELDS DESCRIPTION:	STATUS
A/N	NONE	RESERVED ☐
PICTURE: X(30)		CURRENT ☒

SOURCE(S): PWS permit documents

EXISTS IN FILE/TABLE

PWSIF	SAF	VEF	PWS TABLE	EAF	REGS	OPER & MAIL	VIOLATIONS	METHODS	DEVIATIONS	MSIS HISTORY
x		x	x	x		x				

INPUT/OUTPUT TO SUBSYSTEMS

PWSI	COMPLY	V & E	FEDR		ENFORCE	REGS	MAIL	SURVEY
x	x	x	x	x	x		x	x

EPA REPORTING: Yes (For PWS)

VALUES:
Any character string.
As a part of a PWS address, must contain the city name, left justified.

EDITS AND VALIDATIONS:
In the PWS subsystem, for a PWS record - characters string must be left justified.

COMMENTS:
NONE

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE: 1/7/76 REVISION DATE __/__/__ REVISION NO. ____ PAGE __OF__

PREPARED BY: AMERICAN MANAGEMENT SYSTEMS, INC.

DATA ELEMENT CATALOG. REF.	DATA ELEMENT MNEMONIC	DATA ELEMENT NAME
012	ADDRESS-LINE-3	ADDRESS LINE 3

DESCRIPTION AND USE:

The third line of an address.

DATA TYPE	SUB FIELDS DESCRIPTION	STATUS
A/N		RESERVED ☐
PICTURE: X(30)	NONE	CURRENT ☒

SOURCE(S): PWS permit documents

EXISTS IN FILE/TABLE

PWSIF	SAF	VEF	PWS TABLE	EAF	REGS	OPER & MAIL	VIOLATIONS	METHODS	DEVIATIONS	MSIS HISTORY
x		x	x	x		x				

INPUT/OUTPUT TO SUBSYSTEMS

PWSI	COMPLY	V & E	FEDR		ENFORCE	REGS	MAIL	SURVEY
x	x	x	x	x	x		x	x

EPA REPORTING Yes (For PWS)

VALUES:

Any character string.
As a part of a PWS address, must contain the county name, left justified.

EDITS AND VALIDATIONS:

In the PWSI subsystem, in a PWS record - characters string must be left justified.

COMMENTS:

NONE

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE: 1/7/76 REVISION DATE __/__/__ REVISION NO. ____ PAGE __OF__

PREPARED BY: AMERICAN MANAGEMENT SYSTEMS, INC.

DATA ELEMENT CATALOG. REF.	DATA ELEMENT MNEMONIC	DATA ELEMENT NAME
Ø13	STATE	STATE POSTAL CODE

DESCRIPTION AND USE:

The "state" in an address. The two letter state postal code. When printed as a part of an address, it will be on the last line.

DATA TYPE:	SUB FIELDS DESCRIPTION:	STATUS
A		RESERVED ☐
PICTURE: X(2)	NONE	CURRENT ☒

SOURCE(S):

Input transaction, state postal codes table.

EXISTS IN FILE/TABLE

PWSIF	SAF	VEF	PWS TABLE	EAF	REGS	OPER. & MAIL	VIOLATIONS	METHODS	DEVIATIONS	MSIS HISTORY
x		x	x	x		x				

INPUT/OUTPUT TO SUBSYSTEMS

PWSI	COMPLY	V & E	FEDR		ENFORCE	REGS	MAIL	SURVEY
x		x	x	x	x		x	x

EPA REPORTING: Yes (For-PWS)

VALUES:

Any valid state postal code.

EDITS AND VALIDATIONS:

Must be alphabetic, and contained in a state postal code table.

COMMENTS:

NONE

MODEL STATE INFORMATION SYSTEM
DATA ELEMENT DESCRIPTION

DATE: 1/7/76 REVISION DATE __/__/__ REVISION NO. ____ PAGE __OF__

PREPARED BY: AMERICAN MANAGEMENT SYSTEMS, INC.

DATA ELEMENT CATALOG. REF.	DATA ELEMENT MNEMONIC	DATA ELEMENT NAME
014	ZIP	ZIP CODE

DESCRIPTION AND USE:

The zip code, as attached to an address.

DATA TYPE	SUB FIELDS DESCRIPTION:	STATUS
Numeric	NONE	RESERVED ☐
PICTURE: 9(5)		CURRENT ☒

SOURCE(S):

Input transaction; zip code list.

EXISTS IN FILE/TABLE

PWSIF	SAF	VEF	PWS_TABLE	EAF	REGS	OPER & MAIL	VIOLATIONS	METHODS	DEVIATIONS	MSIS HISTORY
x		x	x	x		x				

INPUT/OUTPUT TO SUBSYSTEMS

PWSI	COMPLY	V & E	FEDR		ENFORCE	REGS	MAIL	SURVEY
x		x		x	x		x	x

EPA REPORTING: Yes (OWS only)

VALUES: Any valid 5 digit zip code.

EDITS AND VALIDATIONS:

1. Must be numeric.
2. Must be valid for state.

COMMENTS:

NONE.

MODEL STATE INFORMATION SYSTEM
DATA ELEMENT DESCRIPTION

DATE: 1/7/76 REVISION DATE __/__/__ REVISION NO. ____ PAGE __OF__

PREPARED BY: AMERICAN MANAGEMENT SYSTEMS, INC.

DATA ELEMENT CATALOG. REF.	DATA ELEMENT MNEMONIC	DATA ELEMENT NAME
Ø15	AREA-CODE	TELEPHONE AREA CODE

DESCRIPTION AND USE:

Area code of a telephone number.

DATA TYPE	SUB FIELDS DESCRIPTION:	STATUS
numeric	NONE	RESERVED ☐
PICTURE: 9(3)		CURRENT ☒

SOURCE(S):

Source documents, PWS permit, etc.

EXISTS IN FILE/TABLE

PWSIF	SAF	VEF	PWS TABLE	EAF	REGS	OPER & MAIL	VIOLATIONS	METHODS	DEVIATIONS	MSIS HISTORY
x			x	x						

INPUT/OUTPUT TO SUBSYSTEMS

PWSI	COMPLY	V & E	FEDR		ENFORCE	REGS	MAIL	SURVEY
x			x	x	x	x		

EPA REPORTING
Yes
(For PWS)

VALUES:

Any valid area code.

EDITS AND VALIDATIONS:

1. Must be numeric.
2. Must be a valid area code for the state.

COMMENTS:

NONE

MODEL STATE INFORMATION SYSTEM
DATA ELEMENT DESCRIPTION

DATE: 1/7/76 REVISION DATE __/__/__ REVISION NO. ____ PAGE __OF__

PREPARED BY: AMERICAN MANAGEMENT SYSTEMS, INC.

DATA ELEMENT CATALOG. REF.	DATA ELEMENT MNEMONIC	DATA ELEMENT NAME
Ø16	PHONE-NUM	TELEPHONE NUMBER

DESCRIPTION AND USE:

A 7 digit telephone numbers.

DATA TYPE	SUB FIELDS DESCRIPTION:	STATUS
Numeric	NONE	RESERVED ☐
PICTURE: 9(7)		CURRENT ☒

SOURCE(S):

Source documents such as PWS permits, laboratory certification.

EXISTS IN FILE/TABLE										
PWSIF	SAF	VEF	PWS TABLE	EAF	REGS	OPER & MAIL	VIOLATIONS	METHODS	DEVIATIONS	MSIS HISTORY
x			x	x						

INPUT/OUTPUT TO SUBSYSTEMS								
PWSI	COMPLY	V & E	FEDR		ENFORCE	REGS	MAIL	SURVEY
x			x	x	x			

EPA REPORTING: Yes (PWS-only)

VALUES:

Any 7-digit telephone number.

EDITS AND VALIDATIONS:

Must be numeric and not zero.

COMMENTS:

NONE

MODEL STATE INFORMATION SYSTEM
DATA ELEMENT DESCRIPTION

DATE: 1/7/76 REVISION DATE __/__/__ REVISION NO. ____ PAGE __OF__

PREPARED BY: AMERICAN MANAGEMENT SYSTEMS, INC.

DATA ELEMENT CATALOG. REF.	DATA ELEMENT MNEMONIC	DATA ELEMENT NAME
017	REGULATED-BY	PWS REGULATORY STATUS

DESCRIPTION AND USE.

This indicator describes the regulations under which the particular PWS is regulated.

DATA TYPE:	SUB FIELDS DESCRIPTION:	STATUS
A/N		RESERVED ☐
PICTURE: X(1)	NONE	CURRENT ☒

SOURCE(S):
Status determined when the PWS record is created.

EXISTS IN FILE/TABLE											
PWSIF	SAF	VEF	PWS TABLE	EAF	REGS	OPER & MAIL	VIOLATIONS	METHODS	DEVIATIONS	MSIS HISTORY
x											

INPUT/OUTPUT TO SUBSYSTEMS								
PWSI	COMPLY	V & E	FEDR		ENFORCE	REGS	MAIL	SURVEY
x			x					

EPA REPORTING: No

VALUES:
1 - Regulated by state regulations only.
2 - Regulated by federal regulations only.
3 - Regulated by both federal and state regulations.

EDITS AND VALIDATIONS:
Must have one of the values '1', '2', or '3'.

COMMENTS:
NONE

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE: 1/7/76 REVISION DATE __/__/__ REVISION NO. ____ PAGE __OF__

PREPARED BY: AMERICAN MANAGEMENT SYSTEMS, INC.

DATA ELEMENT CATALOG. REF. 018	DATA ELEMENT MNEMONIC REGION	DATA ELEMENT NAME STATE ADMINISTRATIVE REGION

DESCRIPTION AND USE:

A code identifying an administrative region of the state.

DATA TYPE: A/N PICTURE: X(2)	SUB FIELDS DESCRIPTION: NONE	STATUS RESERVED ☐ CURRENT ☒

SOURCE(S):

Determined by input clerk at time of creating a PWS record or a laboratory record.

EXISTS IN FILE/TABLE

PWSIF	SAF	VEF	PWS TABLE	EAF	REGS	OPER & MAIL	VIOLATIONS	METHODS	DEVIATIONS	MSIS HISTORY
x			x							

INPUT/OUTPUT TO SUBSYSTEMS

PWSI	COMPLY	V & E	FEDR		ENFORCE	REGS	MAIL	SURVEY
x								

EPA REPORTING No

VALUES:

As determined by the state when the MSIS is implemented. If state does not control water quality by regions, field is empty.

EDITS AND VALIDATIONS:

A special editing routine may be implemented by state.

COMMENTS:

NONE

MODEL STATE INFORMATION SYSTEM
DATA ELEMENT DESCRIPTION

DATE: 1/7/76 REVISION DATE __/__/__ REVISION NO. ____ PAGE __OF__

PREPARED BY: AMERICAN MANAGEMENT SYSTEMS, INC.

DATA ELEMENT CATALOG. REF.	DATA ELEMENT MNEMONIC	DATA ELEMENT NAME
Ø19	DISTRICT	STATE'S ADMINSITRATIVE DISTRICT

DESCRIPTION AND USE:

A code identifying an adminsitrative district within a region.

DATA TYPE	SUB FIELDS DESCRIPTION:	STATUS
A/N		RESERVED ☐
PICTURE: X(3)	NONE	CURRENT ☒

SOURCE(S):

As determined by input clerk at PWS record creation.

EXISTS IN FILE/TABLE

PWSIF	SAF	VEF	PWS TABLE	EAF	REGS	OPER & MAIL	VIOLATIONS	METHODS	DEVIATIONS	MSIS HISTORY
x			x							

INPUT/OUTPUT TO SUBSYSTEMS

PWSI	COMPLY	V & E	FEDR		ENFORCE	REGS	MAIL	SURVEY
x	x							

EPA REPORTING: No

VALUES:

As determined by state at MSIS implementation. Can also contain county code.

EDITS AND VALIDATIONS:

A special edit routine may be implemented by state.

COMMENTS:

NONE

MODEL STATE INFORMATION SYSTEM
DATA ELEMENT DESCRIPTION

DATE: 1/7/76 REVISION DATE __/__/__ REVISION NO. ____ PAGE __OF__

PREPARED BY: AMERICAN MANAGEMENT SYSTEMS, INC.

DATA ELEMENT CATALOG. REF.	DATA ELEMENT MNEMONIC	DATA ELEMENT NAME
020	PWS-OWNER-TYPE	PWS OWNER TYPE

DESCRIPTION AND USE:

A code describing the type of a PWS owner.

DATA TYPE	SUB FIELDS DESCRIPTION:	STATUS
A/N		RESERVED ☐
PICTURE: X(1)	NONE	CURRENT ☒

SOURCE(S):

Input clerk at time of PWS record creation.

EXISTS IN FILE/TABLE											
PWSIF	SAF	VEF	PWS TABLE	EAF	REGS	OPER & MAIL	VIOLATIONS	METHODS	DEVIATIONS	MSIS HISTORY
x										

INPUT/OUTPUT TO SUBSYSTEMS									
PWSI	COMPLY	V & E	FEDR		ENFORCE	REGS	MAIL	SURVEY
x			x					

EPA REPORTING: Yes

VALUES:

1 - municipality
2 - investor
3 - federal
4 - state
~~8~~ 9 - other

5 - city
6 - unknown
~~7 - other~~
8 - county, authority, commission or district
7 - Regional

state and also are alpha

EDITS AND VALIDATIONS:

Must be within the range 1 to 5.

COMMENTS:

NONE

MODEL STATE INFORMATION SYSTEM
DATA ELEMENT DESCRIPTION

DATE: 1/7/76 REVISION DATE 4/15/76 REVISION NO. 1 PAGE ___ OF ___

PREPARED BY: AMERICAN MANAGEMENT SYSTEMS, INC.

DATA ELEMENT CATALOG. REF. 021	DATA ELEMENT MNEMONIC POP-SERVED	DATA ELEMENT NAME SIZE OF POPULATION SERVED

DESCRIPTION AND USE:

Total population obtaining water from this system - not to include the population of consecutive water systems.

DATA TYPE: Numeric	SUB FIELDS DESCRIPTION:	STATUS
PICTURE: 9(9)	NONE	RESERVED ☐ CURRENT ☒

SOURCE(S):

As determined at input time and verified by sanitary survey.

EXISTS IN FILE/TABLE

PWSIF	SAF	VEF	PWS TAPE	EAF	REGS	OPER & MAIL	VIOLATIONS	METHODS	DEVIATIONS	MSIS HISTORY
x	x		x		x					

INPUT/OUTPUT TO SUBSYSTEMS

PWSI	COMPLY	V & E	FEDR		ENFORCE	REGS	MAIL	SURVEY
x	x							

EPA REPORTING Yes

VALUES:

Any number greater than zero.

EDITS AND VALIDATIONS:

Must be numeric and greater than zero.

COMMENTS:

By the federal regulations, it must be at least 25, but state regulations may define a PWS as one serving less than 25 people.

MODEL STATE INFORMATION SYSTEM
DATA ELEMENT DESCRIPTION

DATE: 1/7/76 REVISION DATE 4/15/76 REVISION NO. 1 PAGE ___OF___

PREPARED BY: AMERICAN MANAGEMENT SYSTEMS, INC.

DATA ELEMENT CATALOG. REF. 022	DATA ELEMENT MNEMONIC SERVICES-NUM	DATA ELEMENT NAME NUMBER OF SERVICES

DESCRIPTION AND USE:

The number of service connections, not counting the consecutive water systems which utilize water from this system.

DATA TYPE: N	SUB FIELDS DESCRIPTION:	STATUS
PICTURE: 9(7)	NONE	RESERVED ☐ CURRENT ☒

SOURCE(S): As determined at input time from source documents such as a PWS permit, verified by a subsequent sanitary survey.

EXISTS IN FILE/TABLE

PWSIF	SAF	VEF	PWS TABLE	EAF	REGS	OPER & MAIL	VIOLATIONS	METHODS	DEVIATIONS	MSIS HISTORY
x										

INPUT/OUTPUT TO SUBSYSTEMS

PWSI	COMPLY	V & E	FEDR		ENFORCE	REGS	MAIL	SURVEY
x			x					

EPA REPORTING Yes

VALUES:

Any number greater than zero.

EDITS AND VALIDATIONS:

Must be numeric and greater than zero.

COMMENTS:

Federal regulations define a PWS as having at least 15 connections or serving at least 25 individuals for at least 60 days out of the year. State regulations may define otherwise.

MODEL STATE INFORMATION SYSTEM
DATA ELEMENT DESCRIPTION

DATE: 1/7/76 REVISION DATE 4/15/76 REVISION NO. 1 PAGE __ OF __

PREPARED BY: AMERICAN MANAGEMENT SYSTEMS, INC.

DATA ELEMENT CATALOG. REF. 023	DATA ELEMENT MNEMONIC METERS-NUM	DATA ELEMENT NAME NUMBER OF METERS

DESCRIPTION AND USE:

The number of service connections equipped with water meters.

DATA TYPE: Numeric	SUB FIELDS DESCRIPTION:	STATUS
PICTURE: 9(7)	NONE	RESERVED ☐
		CURRENT ☒

SOURCE(S):

As reported by PWS, or as determined by permit, etc.

EXISTS IN FILE/TABLE

PWSIF	SAF	VEF	PWS TABLE	EAF	REGS	OPER & MAIL	VIOLATIONS	METHODS	DEVIATIONS	MSIS HISTORY
x										

INPUT/OUTPUT TO SUBSYSTEMS

PWSI	COMPLY	V & E	FEDR		ENFORCE	REGS	MAIL	SURVEY
x			x					

EPA REPORTING Yes

VALUES:

Any number including zero.

EDITS AND VALIDATIONS:

Must be numeric.

COMMENTS:

NONE

MODEL STATE INFORMATION SYSTEM
DATA ELEMENT DESCRIPTION

DATE: 1/7/76 REVISION DATE 4/15/76 REVISION NO. 1 PAGE ___OF___

PREPARED BY: AMERICAN MANAGEMENT SYSTEMS, INC.

DATA ELEMENT CATALOG. REF.	DATA ELEMENT MNEMONIC	DATA ELEMENT NAME
024	CONSECUTIVE-NUM	NUMBER OF CONSECUTIVE PWSs

DESCRIPTION AND USE:

Number of consecutive water systems buying water for resale, and themselves regulated as a consecutive water system.

DATA TYPE:	SUB FIELDS DESCRIPTION:	STATUS
Numeric		RESERVED ☐
PICTURE: 9(7)	NONE	CURRENT ☒

SOURCE(S):

Reported by PWS, determined by permit, verified by sanitary survey.

EXISTS IN FILE/TABLE										
PWSIF	SAF	VEF	PWS TABLE	EAF	REGS	OPER / MAIL	VIOLATIONS	METHODS	DEVIATIONS	MSIS HISTORY
x										

INPUT/OUTPUT TO SUBSYSTEMS								
PWSI	COMPLY	V & E	FEDR		ENFORCE	REGS	MAIL	SURVEY
x			x					

EPA REPORTING: Yes

VALUES:

Any numeric value.

EDITS AND VALIDATIONS:

Must be numeric.

COMMENTS:

None

MODEL STATE INFORMATION SYSTEM
DATA ELEMENT DESCRIPTION

DATE: 1/7/76 REVISION DATE 4/15/76 REVISION NO. 1 PAGE ___ OF ___

PREPARED BY: AMERICAN MANAGEMENT SYSTEMS, INC.

DATA ELEMENT CATALOG. REF.	DATA ELEMENT MNEMONIC	DATA ELEMENT NAME
025	SERVICE-AREA	SERVICE AREA CHARACTERISTICS

DESCRIPTION AND USE:

A 19 characters data element. Each character indicates one service area characteristic. Information is used to report to EPA and also may be used to retrieve PWS's by service area characteristics.

DATA TYPE:	SUB FIELDS DESCRIPTION:	STATUS
A/N	Each position indicates one characteristic (see list in comments)	RESERVED ☐
PICTURE: X(19)		CURRENT ☒

SOURCE(S):

As determined by permit and verified by survey.

EXISTS IN FILE/TABLE

PWSIF	SAF	VEF	PWS TABLE	EAF	REGS	OPER & MAIL	VIOLATIONS	METHODS	DEVIATIONS	MSIS HISTORY
x										

INPUT/OUTPUT TO SUBSYSTEMS

PWSI	COMPLY	V & E	FEDR		ENFORCE	REGS	MAIL	SURVEY
x			x					x

EPA REPORTING: Yes

VALUES:

For each position: Ø - No
1 - Yes

MSIS will accept several characteristics for the same service area.

EDITS AND VALIDATIONS:

Each position must be 'Ø', or '1'.

COMMENTS: List of characteristics in positioned order:

Residential, company town, recreation area, mobile home park, institution, school or college, motel, restaurant, service station, campground, picnic area, lodge, marina, ski resort, bathing area, visitor center, highway safety rest area, airport, other.

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE: 1 / 7 / 76 REVISION DATE 4 /15 / 76 REVISION NO. 1 PAGE ___ OF ___

PREPARED BY: AMERICAN MANAGEMENT SYSTEMS, INC.

DATA ELEMENT CATALOG. REF.	DATA ELEMENT MNEMONIC	DATA ELEMENT NAME
026	AVERAGE-CAPACITY	AVERAGE PRODUCTION CAPACITY

DESCRIPTION AND USE:
Average annual production in gal/day in the most recent year.

DATA TYPE	SUB FIELDS DESCRIPTION	STATUS
Numeric	NONE	RESERVED [ ]
PICTURE: 9(10)		CURRENT [X]

SOURCE(S):
Reported by PWS, determined by permit.

EXISTS IN FILE/TABLE

PWSIF	SAF	VEF	PWS TABLE	EAF	REGS	OPER & MAIL	VIOLATIONS	METHODS	DEVIATIONS	MSIS HISTORY
x										

INPUT/OUTPUT TO SUBSYSTEMS

PWSI	COMPLY	V & E	FEDR		ENFORCE	REGS	MAIL	SURVEY
x			x					x

EPA REPORTING
Yes

VALUES:
Any number larger than zero.

EDITS AND VALIDATIONS:
Must be numeric and greater than zero.

COMMENTS:
NONE

MODEL STATE INFORMATION SYSTEM
DATA ELEMENT DESCRIPTION

DATE: 1/7/76 REVISION DATE 4/15/76 REVISION NO. 1 PAGE ___OF___

PREPARED BY: AMERICAN MANAGEMENT SYSTEMS, INC.

DATA ELEMENT CATALOG. REF.	DATA ELEMENT MNEMONIC	DATA ELEMENT NAME
027	EMERGENCY-POWER	EMERGENCY POWER ONLY

DESCRIPTION AND USE:

The amount of water in gallons per day that can be produced with power generation equipment controlled by the water supply.

DATA TYPE	SUB FIELDS DESCRIPTION:	STATUS
Numeric		RESERVED ☐
PICTURE: 9(10)	NONE	CURRENT ☒

SOURCE(S):

Reported by PWS, determined by permit, etc.

EXISTS IN FILE/TABLE											
PWSIF	SAF	VEF	PWS TABLE	EAF	REGS	OPER & MAIL	VIOLATIONS	METHODS	DEVIATIONS	MSIS HISTORY
x										

INPUT/OUTPUT TO SUBSYSTEMS								
PWSI	COMPLY	V & E	FEDR		ENFORCE	REGS	MAIL	SURVEY
x			x					x

EPA REPORTING: Yes

VALUES:

Any number greater than zero.

EDITS AND VALIDATIONS:

Must be numeric and greater than zero.

COMMENTS:

NONE

MODEL STATE INFORMATION SYSTEM
DATA ELEMENT DESCRIPTION

DATE: 1/7/76 REVISION DATE 4/15/76 REVISION NO. 1 PAGE ___ OF ___

PREPARED BY: AMERICAN MANAGEMENT SYSTEMS, INC.

DATA ELEMENT CATALOG. REF.	DATA ELEMENT MNEMONIC	DATA ELEMENT NAME
028	STORAGE-CAPACITY	DISTRIBUTION STORAGE CAPACITY

DESCRIPTION AND USE:

Storage capacity, in gallons, of water that is ready to go with the distribution system.

DATA TYPE	SUB FIELDS DESCRIPTION	STATUS
Numeric	NONE	RESERVED ☐
PICTURE: 9(10)		CURRENT ☒

SOURCE(S):

Reported by PWS, determined by permit, etc.

EXISTS IN FILE/TABLE											
PWSIF	SAF	VEF	PWS TABLE	EAF	REGS	OPER & MAIL	VIOLATIONS	METHODS	DEVIATIONS	MSIS HISTORY
x										

INPUT/OUTPUT TO SUBSYSTEMS									
PWSI	COMPLY	V & E	FEDR		ENFORCE	REGS	MAIL	SURVEY
x			x					x

EPA REPORTING: Yes

VALUES:

Any number greater than zero.

EDITS AND VALIDATIONS:

Must be numeric and greater than zero.

COMMENTS:

NONE

MODEL STATE INFORMATION SYSTEM
DATA ELEMENT DESCRIPTION

DATE: 4/15/76 REVISION DATE __/__/__ REVISION NO. ____ PAGE __OF__

PREPARED BY: AMERICAN MANAGEMENT SYSTEMS, INC.

DATA ELEMENT CATALOG. REF.	DATA ELEMENT MNEMONIC	DATA ELEMENT NAME
029	PLANT-LOCATION	PLANT LOCATION

DESCRIPTION AND USE:
Address of the location of PWS facilities.

DATA TYPE: Group

PICTURE: _____

SUB FIELDS DESCRIPTION:
010--Address-Line-1
011--Address-Line-2
013--STATE
014--Zip Code

STATUS
RESERVED ☐
CURRENT ☒

SOURCE(S):
PWS permit documents

EXISTS IN FILE/TABLE

PWSIF	SAF	VEF	PWS TABLE	EAF	REGS	OPER & MAIL	VIOLATIONS	METHODS	DEVIATIONS	MSIS HISTORY
X										

INPUT/OUTPUT TO SUBSYSTEMS

PWSI	COMPLY	V & E	FEDR		ENFORCE	REGS	MAIL	SURVEY
X								

EPA REPORTING YES

VALUES:
As valid for sub fields.

EDITS AND VALIDATIONS:
As applied to sub fields

COMMENTS:
None

MODEL STATE INFORMATION SYSTEM
DATA ELEMENT DESCRIPTION

DATE: 1/7/76 REVISION DATE __/__/__ REVISION NO. ____ PAGE __OF__

PREPARED BY: AMERICAN MANAGEMENT SYSTEMS, INC.

DATA ELEMENT CATALOG. REF.	DATA ELEMENT MNEMONIC	DATA ELEMENT NAME
030	MAX-PRODUCTION	MAXIMUM DAILY PRODUCTION

DESCRIPTION AND USE:

Maximum daily production, in gallons per day. Required for reporting to the EPA PWS Inventory File

DATA TYPE	SUB FIELDS DESCRIPTION	STATUS
Numeric		RESERVED ☐
PICTURE: 9(10)	NONE	CURRENT ☒

SOURCE(S):
Reported by PWS, determined by permit, etc.

EXISTS IN FILE/TABLE

PWSIF	SAF	VEF	PWS TABLE	EAF	REGS	OPER & MAIL	VIOLATIONS	METHODS	DEVIATIONS	MSIS HISTORY
x										

INPUT/OUTPUT TO SUBSYSTEMS

PWSI	COMPLY	V & E	PWSDR		ENFORCE	REGS	MAIL	SURVEY
x			x					x

EPA REPORTING: Yes

VALUES:

Any number greater than zero.

EDITS AND VALIDATIONS:

Must be numeric, greater than zero, and not less than the value of average daily production.

COMMENTS:

NONE

MODEL STATE INFORMATION SYSTEM
DATA ELEMENT DESCRIPTION

DATE: 1/7/76 REVISION DATE __/__/__ REVISION NO. ____ PAGE __OF__

PREPARED BY: AMERICAN MANAGEMENT SYSTEMS, INC.

DATA ELEMENT CATALOG. REF.	DATA ELEMENT MNEMONIC	DATA ELEMENT NAME
031	PWS-TYPE	PWS TYPE

DESCRIPTION AND USE:

A flag indicating if this PWS is a community or non-community PWS.

DATA TYPE	SUB FIELDS DESCRIPTION	STATUS
A/N		RESERVED ☐
PICTURE: X(1)	NONE	CURRENT ☒

SOURCE(S): Determined by field inspectors at time of PWS record creation, according to federal regulations and PWS size and service area characteristics.

EXISTS IN FILE/TABLE

PWSIF	SAF	VEF	PWS TABLE	EAF	REGS	OPFD & MAIL	VIOLATIONS	METHODS	DEVIATIONS	MSIS HISTORY
x	x		X		x					

INPUT/OUTPUT TO SUBSYSTEMS

PWSI	COMPLY	V & E	FEDR		ENFORCE	REGS	MAIL	SURVEY
x	x					x		x

EPA REPORTING: No

VALUES:

C - community
N - non-community

EDITS AND VALIDATIONS:

Must be 'c' or 'n'

COMMENTS:

NONE

MODEL STATE INFORMATION SYSTEM
DATA ELEMENT DESCRIPTION

DATE: 1/7/76 REVISION DATE __/__/__ REVISION NO. ____ PAGE __OF__

PREPARED BY: AMERICAN MANAGEMENT SYSTEMS, INC.

DATA ELEMENT CATALOG. REF.	DATA ELEMENT MNEMONIC	DATA ELEMENT NAME
032	ACTIVITY-INDICATOR	ACTIVITY INDICATOR

DESCRIPTION AND USE:

A flag to indicate whether the PWS record is active or not. This flag is necessary because PWS records may not be removed from the PWSIF.

DATA TYPE	SUB FIELDS DESCRIPTION	STATUS
Numeric	NONE	RESERVED ☐
PICTURE: 9(1)		CURRENT ☒

SOURCE(S):

Determined by state personnel

EXISTS IN FILE/TABLE										
PWSIF	SAF	VEF	PWS TABLE	EAF	REGS	OPER & MAIL	VIOLATIONS	METHODS	DEVIATIONS	MSIS HISTORY
x										

INPUT/OUTPUT TO SUBSYSTEMS									
PWSI	COMPLY	V & E	FEDR		ENFORCE	REGS	MAIL	SURVEY	
x	x		x					x	

EPA REPORTING: No

VALUES:

0 - active
1 - inactive

EDITS AND VALIDATIONS:

Must be '0' or '1'
When value is '1' in the input transaction, deactivation date and reason must be present.

COMMENTS:

NONE

MODEL STATE INFORMATION SYSTEM
DATA ELEMENT DESCRIPTION

DATE: 1/7/76 REVISION DATE __/__/__ REVISION NO. ____ PAGE __OF__

PREPARED BY: AMERICAN MANAGEMENT SYSTEMS, INC.

DATA ELEMENT CATALOG. REF.	DATA ELEMENT MNEMONIC	DATA ELEMENT NAME
033	DEACTIVATION-DATE	DATE OF DEACTIVATION

DESCRIPTION AND USE:
Date of the day the activity flag was set to inactive. Used for documentation and for establishing audit trail.

DATA TYPE:	SUB FIELDS DESCRIPTION:	STATUS
N		RESERVED ☐
PICTURE: 9(5)	NONE	CURRENT ☒

SOURCE(S):
Same as activity-indicator

EXISTS IN FILE/TABLE

PWSIF	SAF	VEF	PWS TABLE	EAF	REGS	hPER & MAIL	VIOLATIONS	METHODS	DEVIATIONS	MSIS HISTORY
x										

INPUT/OUTPUT TO SUBSYSTEMS

PWSI	COMPLY	V & E	FEDR		ENFORCE	REGS	MAIL	SURVEY
x								x

EPA REPORTING: No

VALUES:
The date on the PWSIF is in Julian format YYnnn. On input form it is in the format MMDDYY.

EDITS AND VALIDATIONS:
If activity indicator is '1', must be a valid date, and no later than updating date.
Otherwise, may be empty.

COMMENTS: NONE

MODEL STATE INFORMATION SYSTEM
DATA ELEMENT DESCRIPTION

DATE: 1/7/76 REVISION DATE __/__/__ REVISION NO. ____ PAGE __OF__

PREPARED BY: AMERICAN MANAGEMENT SYSTEMS, INC.

DATA ELEMENT CATALOG. REF.	DATA ELEMENT MNEMONIC	DATA ELEMENT NAME
034	DEACTIVATION-REASON	REASON FOR DEACTIVATION

DESCRIPTION AND USE:

A code describing the reason for deactivating the PWS record. Used for documentation purposes.

DATA TYPE	SUB FIELDS DESCRIPTION	STATUS
A/N	NONE	RESERVED [ ]
PICTURE: X(1)		CURRENT [X]

SOURCE(S):

Same as activity indicator

EXISTS IN FILE/TABLE											
PWSIF	SAF	VEF	PWS TABLE	EAF	REGS	OPER & MAIL	VIOLATIONS	METHODS	DEVIATIONS	MSIS HISTORY
X										

INPUT/OUTPUT TO SUBSYSTEMS									
PWSI	COMPLY	V & E	FEDR	-	ENFORCE	REGS	MAIL	SURVEY
X								X

EPA REPORTING: No

VALUES:

To be determined during detailed system design.

EDITS AND VALIDATIONS:

Must have a valid value if activity indicator is '1'. Otherwise, may be empty.

COMMENTS:

NONE

MODEL STATE INFORMATION SYSTEM
DATA ELEMENT DESCRIPTION

DATE: 1/7/76 REVISION DATE 4/15/76 REVISION NO. 1 PAGE __ OF __

PREPARED BY: AMERICAN MANAGEMENT SYSTEMS, INC.

DATA ELEMENT CATALOG. REF.	DATA ELEMENT MNEMONIC	DATA ELEMENT NAME
035	EFFECTIVE-DATE	EFFECTIVE DATE

DESCRIPTION AND USE:

Date on which the applicable regulations become effective. On the VEF, it is the date on which the variance or exemption becomes effective.

DATA TYPE: Numeric PICTURE: 9(5), 9(6),	SUB FIELDS DESCRIPTION:	STATUS RESERVED ☐ CURRENT ☒
	On files in Julian format YYnnn On input/output (reports) in MMDDYY format	

SOURCE(S):
1. As required by federal and state regulations.
2. V&E input form, as determined by authorized state personnel.

EXISTS IN FILE/TABLE										
PWSIF	SAF	VEF	PWS TABLE	EAF	REGS	OPER ? MAIL	VIOLATIONS	METHODS	DEVIATIONS	MSIS HISTORY
x		x			x					

INPUT/OUTPUT TO SUBSYSTEMS									
PWSI	COMPLY	V & E	FEDR		ENFORCE	REGS	MAIL	SURVEY	
x	x	x				x		x	

EPA REPORTING: No

VALUES:

Any valid date.

EDITS AND VALIDATIONS:

Must be a valid date or empty.

COMMENTS:

When effective date is not input to the PWSIF, if will be set according to PWS type.
For community PWS - June 1, 1977
For non-community PWS - June 1, 1977

MODEL STATE INFORMATION SYSTEM
DATA ELEMENT DESCRIPTION

DATE: 1/7/76 REVISION DATE __/__/__ REVISION NO. ____ PAGE __OF__

PREPARED BY: AMERICAN MANAGEMENT SYSTEMS, INC.

DATA ELEMENT CATALOG. REF.	DATA ELEMENT MNEMONIC	DATA ELEMENT NAME
036	EXPIRATION-DATE	EXPIRATION DATE

DESCRIPTION AND USE:

Date on which a variance or exemption expires, or the certification of a laboratory.

DATA TYPE	SUB FIELDS DESCRIPTION	STATUS
DATA TYPE: Numeric PICTURE: 9(5), 9(6)	On input: MMDDYY On file: YYnnn (Julian) or YYMMDD	RESERVED ☐ CURRENT ☒

SOURCE(S):

V & E input form, as determined by authorized sate personnel

EXISTS IN FILE/TABLE											
PWSIF	SAF	VEF	PWS TABLE	EAF	REGS	OPER & MAIL	VIOLATIONS	METHODS	DEVIATIONS	MSIS HISTORY	
		x									

INPUT/OUTPUT TO SUBSYSTEMS									
PWSI	COMPLY	V & E	FEDR		ENFORCE	REGS	MAIL	SURVEY	
	x	x	x					x	

EPA REPORTING: No

VALUES:

A valid date.

EDITS AND VALIDATIONS:

1. Must be a valid date or all "9"
1. If not all "9", the date must be later than the corresponding effective date.

COMMENTS:

A date containing all "9" implies that no expiration date was set.

MODEL STATE INFORMATION SYSTEM
DATA ELEMENT DESCRIPTION

DATE: 1/7/76 REVISION DATE 4/15/76 REVISION NO. 1 PAGE ___ OF ___

PREPARED BY: AMERICAN MANAGEMENT SYSTEMS, INC.

DATA ELEMENT CATALOG. REF.	DATA ELEMENT MNEMONIC	DATA ELEMENT NAME
037	COMPLIANCE-CYCLE	COMPLIANCE CYCLE

DESCRIPTION AND USE:
This data element describes the compliance cycle for a particular PWS.

DATA TYPE	SUB FIELDS DESCRIPTION	STATUS
N	NONE	RESERVED ☐
PICTURE: 9(2)		CURRENT ☒

SOURCE(S):
As determined at MSIS installation time.

EXISTS IN FILE/TABLE

PWSIF	SAF	VEF	PWS TABLE	FAF	REGS	OPER & MAIL	VIOLATIONS	METHODS	DEVIATIONS	MSIS HISTORY
x			x							

INPUT/OUTPUT TO SUBSYSTEMS

PWSI	COMPLY	V & E	FEDR		ENFORCE	REGS	MAIL	SURVEY
x	x							

EPA REPORTING: No

VALUES:
Any number in the range 01 - 99
For a PWS that is monitored monthly, the compliance cycle is the day on which the compliance month starts. For example-compliance cycle 20 means that the reporting period starts at the 20th.

EDITS AND VALIDATIONS:

Must be numeric and greater than zero.
If PWS monitored monthly, compliance cycle must be less than 29.
If PWS monitored quarterly, may have any valie 01 to 99.

COMMENTS:

If states do not wish to use the compliance cycle feature, the value will be set to '01'.

MODEL STATE INFORMATION SYSTEM
DATA ELEMENT DESCRIPTION

DATE: 1/7/76 REVISION DATE 4/15/76 REVISION NO. 1 PAGE __OF__

PREPARED BY: AMERICAN MANAGEMENT SYSTEMS, INC.

DATA ELEMENT CATALOG. REF.	DATA ELEMENT MNEMONIC	DATA ELEMENT NAME
Ø38	CONSECUTIVE	CONSECUTIVE PWS INDICATOR

DESCRIPTION AND USE:

A flag indicating whether a particular PWS is consecutive, that is - purchasing all its water from another PWS. The state may modify for monitoring requirements such a PWS.

DATA TYPE	SUB FIELDS DESCRIPTION	STATUS
Numeric	NONE	RESERVED ☐
PICTURE: 9(1)		CURRENT ☒

SOURCE(S):

As determined by PWS permit and verified by sanitary survey.

EXISTS IN FILE/TABLE											
PWSIF	SAF	VEF	PWS TABLE	EAF	REGS	OPER & MAIL	VIOLATIONS	METHODS	DEVIATIONS	MSIS HISTORY
x										

INPUT/OUTPUT TO SUBSYSTEMS								
PWSI	COMPLY	V & E	FEDR		ENFORCE	REGS	MAIL	SURVEY
x	x							x

EPA REPORTING: No

VALUES:

Ø - not consecutive
1 - consecutive, not required to monitor drinking water
2 - consecutive, required to monitor drinking water

EDITS AND VALIDATIONS:

Must be '0' or '1' or '2'.

COMMENTS:

NONE

MODEL STATE INFORMATION SYSTEM
DATA ELEMENT DESCRIPTION

DATE: 1/7/76 REVISION DATE __/__/__ REVISION NO. ____ PAGE __OF__

PREPARED BY: AMERICAN MANAGEMENT SYSTEMS, INC.

DATA ELEMENT CATALOG. REF.	DATA ELEMENT MNEMONIC	DATA ELEMENT NAME
039	MONTHLY	MONTHLY BACTERIOLOGICAL MONITORING

DESCRIPTION AND USE:

A state may require that a non-community PWS will samole and analyze monthly for bacteriological contaminant, although by federal or state regulations require quarterly monitoring only.

DATA TYPE	SUB FIELDS DESCRIPTION:	STATUS
Numeric	NONE	RESERVED ☐
PICTURE: 9(1)		CURRENT ☒

SOURCE(S):

Determined by state officials.

EXISTS IN FILE/TABLE											
PWSIF	SAF	VEF	PWS TABLE	EAF	REGS	OPER & MAIL	VIOLATIONS	METHODS	DEVIATIONS	MSIS HISTORY
x										

INPUT/OUTPUT TO SUBSYSTEMS									
PWSI	COMPLY	V & E	FEDR		ENFORCE	REGS	MAIL	SURVEY
x	x	x						x

EPA REPORTING: No

VALUES:

0 - no
1 - yes, monthly monitoring required.

EDITS AND VALIDATIONS:

Must be '0', or '1'.

COMMENTS:

The water Quality Compliance Subsystem uses this flag only when the PWS is otherwise to be monitored quarterly.

MODEL STATE INFORMATION SYSTEM
DATA ELEMENT DESCRIPTION

DATE: 1/7/76 REVISION DATE __/__/__ REVISION NO. ____ PAGE __OF__

PREPARED BY: AMERICAN MANAGEMENT SYSTEMS, INC.

DATA ELEMENT CATALOG. REF.	DATA ELEMENT MNEMONIC	DATA ELEMENT NAME
040	PER-QUARTER	NUMBER OF SAMPLES PER QUARTER

DESCRIPTION AND USE:

Number of samples per quarter that a small community PWS may perform for bacteriological analysis in lieu of monthly monitoring.

DATA TYPE	SUB FIELDS DESCRIPTION	STATUS
Numeric	NONE	RESERVED ☐
PICTURE: 9(3)		CURRENT ☒

SOURCE(S):

As determined by state officials. Conditions must be checked by sanitary survey.

EXISTS IN FILE/TABLE										
PWSIF	SAF	VEF	PWS TABLE	EAF	REGS	OPER & MAIL	VIOLATIONS	METHODS	DEVIATIONS	MSIS HISTORY
x										

INPUT/OUTPUT TO SUBSYSTEMS								
PWSI	COMPLY	V & E	FEDR		ENFORCE	REGS	MAIL	SURVEY
x	x		x					x

EPA REPORTING: No

VALUES: 000 - quarterly monitoring not permitted
001 to 999 - quarterly monitoring permitted, and the value is the number of required samples per quarter.

EDITS AND VALIDATIONS:

Must be numeric.
Must be zero unless the PWS is a small community PWS.

COMMENTS:

A small community PWS is defined by the Federal regulations as serving a population served of less than 1000 persons. The water source must be solely protected ground source.

MODEL STATE INFORMATION SYSTEM
DATA ELEMENT DESCRIPTION

DATE: 1/7/76 REVISION DATE __/__/__ REVISION NO. ____ PAGE __OF__

PREPARED BY: AMERICAN MANAGEMENT SYSTEMS, INC.

DATA ELEMENT CATALOG. REF. 041	DATA ELEMENT MNEMONIC SEASON-START	DATA ELEMENT NAME DATE SEASON STARTS

DESCRIPTION AND USE:

Beginning date for bacteriological monitoring at a non-community PWS which is operating seasonally.

DATA TYPE: Numeric PICTURE: 9(4)	SUB FIELDS DESCRIPTION: MMDD	STATUS RESERVED ☐ CURRENT ☒

SOURCE(S):

As determined for PWS

EXISTS IN FILE/TABLE

PWSIF	SAF	VEF	PWS TAPLE	EAF	REGS	OPER & MAIL	VIOLATIONS	METHODS	DEVIATIONS	MSIS HISTORY
x										

INPUT/OUTPUT TO SUBSYSTEMS

PWSI	COMPLY	V & E	FEDR		ENFORCE	REGS	MAIL	SURVEY
x	x		x					x

EPA REPORTING: No

VALUES:

zero - same as January 1st.
non-zero - a valid month and day.

EDITS AND VALIDATIONS:

1. Must be numeric.
2. Must be zero if PWS is community type
3. Must be a valid month and day, or zero.

COMMENTS:

NONE

MODEL STATE INFORMATION SYSTEM
DATA ELEMENT DESCRIPTION

DATE: 1/7/76 REVISION DATE __/__/__ REVISION NO. ____ PAGE __OF__

PREPARED BY: AMERICAN MANAGEMENT SYSTEMS, INC.

DATA ELEMENT CATALOG. REF.	DATA ELEMENT MNEMONIC	DATA ELEMENT NAME
042	SEASON-END	DATE SEASON ENDS

DESCRIPTION AND USE:
Ending date for bacteriological monitoring at a non-community PWS which operates seasonally.

DATA TYPE	SUB FIELDS DESCRIPTION	STATUS
Numeric		RESERVED ☐
PICTURE: 9(4)	MMDD	CURRENT ☒

SOURCE(S):
As determined for PWS

EXISTS IN FILE/TABLE											
PWSIF	SAF	VEF	PWS TABLE	EAF	REGS	OPER & MAIL	VIOLATIONS	METHODS	DEVIATIONS	MSIS HISTORY
x											

INPUT/OUTPUT TO SUBSYSTEMS								
PWSI	COMPLY	V & E	FEDR		ENFORCE	REGS	MAIL	SURVEY
x	x		x					x

EPA REPORTING: No

VALUES:
zero - same as December 31st.
non-zero - a valid month and day.

EDITS AND VALIDATIONS:
1. Must be numeric
2. Must be zero if the PWS is community type
3. Must be zero or a valid month and day
4. If not zero, must be later than SEASON-START

COMMENTS:
NONE

MODEL STATE INFORMATION SYSTEM
DATA ELEMENT DESCRIPTION

DATE: 1/7/76 REVISION DATE __/__/__ REVISION NO. ____ PAGE __OF__

PREPARED BY: AMERICAN MANAGEMENT SYSTEMS, INC.

DATA ELEMENT CATALOG. REF.	DATA ELEMENT MNEMONIC	DATA ELEMENT NAME
043	NON COMM-FREQ	ALTERNATE SAMPLING FREQUENCY

DESCRIPTION AND USE:

Alternate sampling frequency for bacteriological analysis. Applies to non-community PWS in lieu of quarterly or monthly sampling.

DATA TYPE	PICTURE	SUB FIELDS DESCRIPTION	STATUS
Numeric	9(3)	NONE	RESERVED ☐ CURRENT ☒

SOURCE(S):

As determined by state officials.

EXISTS IN FILE/TABLE											
PWSIF	SAF	VEF	PWS TABLE	EAF	REGS	OPER & MAIL	VIOLATIONS	METHODS	DEVIATIONS	MSIS HISTORY
x										

INPUT/OUTPUT TO SUBSYSTEMS								
PWSI	COMPLY	V & E	FEDR		ENFORCE	REGS	MAIL	SURVEY
x	x		x					x

EPA REPORTING: No

VALUES:

Number of days between samples.

EDITS AND VALIDATIONS:

1. Must be numeric

COMMENTS: NONE

MODEL STATE INFORMATION SYSTEM
DATA ELEMENT DESCRIPTION

DATE: 1/7/76 REVISION DATE __/__/__ REVISION NO. ____ PAGE __OF__

PREPARED BY: AMERICAN MANAGEMENT SYSTEMS, INC.

DATA ELEMENT CATALOG. REF. 044	DATA ELEMENT MNEMONIC CHLORINE	DATA ELEMENT NAME CHLORINE RESIDUAL PERCENT OF SAMPLES

DESCRIPTION AND USE:
Percent of samples for bacteriological analysis that may be replaced by chlorine residual sampling.

DATA TYPE: Numeric PICTURE: 9(2)	SUB FIELDS DESCRIPTION: NONE	STATUS RESERVED ☐ CURRENT ☒

SOURCE(S):

Determined by authorized state personnel.

EXISTS IN FILE/TABLE										
PWSIF	SAF	VEF	PWS TABLE	EAF	REGS	UPER & MAIL	VIOLATIONS	METHODS	DEVIATIONS	MSIS HISTORY
x										

INPUT/OUTPUT TO SUBSYSTEMS								
PWSI	COMPLY	V & E	FEDR		ENFORCE	REGS	MAIL	SURVEY
x	x		x					x

EPA REPORTING: No

VALUES:
zero to 75.

EDITS AND VALIDATIONS:
1. Must be numeric
2. Must be between zero to the value of CHLORINE-PERCENT (in the Regulations Table)

COMMENTS:

NONE

MODEL STATE INFORMATION SYSTEM
DATA ELEMENT DESCRIPTION

DATE: 1/7/76 REVISION DATE __/__/__ REVISION NO. ____ PAGE __OF__

PREPARED BY: AMERICAN MANAGEMENT SYSTEMS, INC.

DATA ELEMENT CATALOG. REF.	DATA ELEMENT MNEMONIC	DATA ELEMENT NAME
045	TURBIDITY-UNITS	ALTERNATE TURBIDITY MCL

DESCRIPTION AND USE:

State may increase the MCL for turbidity up to 5 turbidity units.

DATA TYPE	SUB FIELDS DESCRIPTION	STATUS
Numeric	NONE	RESERVED [ ]
PICTURE: 9(1)		CURRENT [X]

SOURCE(S):

Determined by authorized state personnel.

EXISTS IN FILE/TABLE										
PWSIF	SAF	VEF	PWS TABLE	EAF	REGS	OPER & MAIL	VIOLATIONS	METHODS	DEVIATIONS	MSIS HISTORY
x	x									

INPUT/OUTPUT TO SUBSYSTEMS								
PWSI	COMPLY	V & E	FEDR		ENFORCE	REGS	MAIL	SURVEY
x	x		x					x

EPA REPORTING: No

VALUES:

zero to 5.

EDITS AND VALIDATIONS:

1. Must be numeric
2. Must be between the values 0 to 5.

COMMENTS:

NONE

MODEL STATE INFORMATION SYSTEM
DATA ELEMENT DESCRIPTION

DATE: 1/7/76 REVISION DATE __/__/__ REVISION NO. ____ PAGE __OF__

PREPARED BY: AMERICAN MANAGEMENT SYSTEMS, INC.

DATA ELEMENT CATALOG. REF.	DATA ELEMENT MNEMONIC	DATA ELEMENT NAME
046	CONTAMINANT-ID	CONTAMINANT-IDENTIFICATION

DESCRIPTION AND USE:
A 4-digit number identifying a contaminant.

DATA TYPE	SUB FIELDS DESCRIPTION	STATUS
DATA TYPE: Numeric PICTURE: 9(4)	position 1 - contaminant group positions 2 - 4 - individual contaminant	RESERVED ☐ CURRENT ☒

SOURCE(S):
Contaminants Table; Input transactions

EXISTS IN FILE/TABLE

PWSIF	SAF	VEF	VMS TABLE	EAF	REGS	OPER & MAIL	VIOLATIONS	METHODS	DEVIATIONS	MSIS HISTORY
x	x	x		x	x		x		x	

INPUT/OUTPUT TO SUBSYSTEMS

PWSI	COMPLY	V & E	FEDR		ENFORCE	REGS	MAIL	SURVEY
	x	x	x		x	x		

EPA REPORTING
Depending on application

VALUES:
See table in Exhibit IV.1

EDITS AND VALIDATIONS:
1. Must be numeric
2. Must be in table.

COMMENTS:
This code does not comply with STORET parameters table. STORET identifies a pair - contaminant and analysis method as a single parameter up to 100,000 different parameters.

MODEL STATE INFORMATION SYSTEM
DATA ELEMENT DESCRIPTION

DATE: 1/7/76 REVISION DATE __/__/__ REVISION NO. ____ PAGE __OF__

PREPARED BY: AMERICAN MANAGEMENT SYSTEMS, INC.

DATA ELEMENT CATALOG. REF.	DATA ELEMENT MNEMONIC	DATA ELEMENT NAME
047	SAMPLING-FREQUENCY	MONITORING (SAMPLING) FREQUENCY

DESCRIPTION AND USE:
Define the elapsed time (in days) between samples. Use mostly in conjunction with follow-up monitoring of chemical contaminants.

DATA TYPE	SUB FIELDS DESCRIPTION	STATUS
Numeric	NONE	RESERVED ☐
PICTURE: 9(3)		CURRENT ☒

SOURCE(S):
As determined by authorized state officials.

EXISTS IN FILE/TABLE											
PWSIF	SAF	VEF	PWS TABLE	EAF	REGS	ORDER / MAIL	VIOLATIONS	METHODS	DEVIATIONS	MSIS HISTORY
x					x					

INPUT/OUTPUT TO SUBSYSTEMS								
PWSI	COMPLY	V & E	FEDR		ENFORCE	REGS	MAIL	SURVEY
x	x		x			x		x

EPA REPORTING: No

VALUES:

zero to 999

EDITS AND VALIDATIONS:

1. Must be numeric.
2. Must be greater than zero if there is a corresponding contaminant-ID for follow up.

COMMENTS:

NONE

MODEL STATE INFORMATION SYSTEM
DATA ELEMENT DESCRIPTION

DATE: 1/7/76 REVISION DATE 4/15/76 REVISION NO. 1 PAGE __OF__

PREPARED BY: AMERICAN MANAGEMENT SYSTEMS, INC.

DATA ELEMENT CATALOG. REF.	DATA ELEMENT MNEMONIC	DATA ELEMENT NAME
848	START-PERIOD	DATE OF STARTING SAMPLING PERIOD

DESCRIPTION AND USE:
A state may specify a period within which a yearly (or multi-yearly) sampling for organic chemicals and pesticides is to be done.

DATA TYPE	SUB FIELDS DESCRIPTION	STATUS
Numeric	MMDD	RESERVED ☐
PICTURE: 2(4)		CURRENT ☒

SOURCE(S):
Determined by authorized state personnel

EXISTS IN FILE/TABLE										
PWSIF	SAF	VEF	PWS TABLE	EAF	REGS	OPER & MAIL	VIOLATIONS	METHODS	DEVIATIONS	MSIS HISTORY
x										

INPUT/OUTPUT TO SUBSYSTEMS									
PWSI	COMPLY	V & E	FEDR		ENFORCE	REGS	MAIL	SURVEY	
x	x		x					x	

EPA REPORTING: No

VALUES:

zero - same as January 1st, which is the default value.
non-zero - any valid month and day.

EDITS AND VALIDATIONS:

1. Must be numeric.
2. May be zero or a valid month and day.

COMMENTS: NONE

MODEL STATE INFORMATION SYSTEM
DATA ELEMENT DESCRIPTION

DATE: 1/7/76 REVISION DATE 4/15/76 REVISION NO. 1 PAGE OF

PREPARED BY: AMERICAN MANAGEMENT SYSTEMS, INC.

DATA ELEMENT CATALOG. REF. 049	DATA ELEMENT MNEMONIC END-PERIOD	DATA ELEMENT NAME DATE OF ENDING SAMPLING PERIOD

DESCRIPTION AND USE:

Date of the end of sampling period for organic chemicals.

DATA TYPE: Numeric PICTURE: 9(4)	SUB FIELDS DESCRIPTION: MMDD	STATUS RESERVED ☐ CURRENT ☒

SOURCE(S):

EXISTS IN FILE/TABLE

PWSIF	SAF	VEF	PWS TABLE	EAF	REGS	OPER & MAIL	VIOLATIONS	METHODS	DEVIATIONS	MSIS HISTORY
X										

INPUT/OUTPUT TO SUBSYSTEMS

PWSI	COMPLY	V & E	FEDR		ENFORCE	REGS	MAIL	SURVEY
X	X		X					X

EPA REPORTING: No

VALUES:

zero - same as December 31st which is the default value.
non-zero - any valid month and day.

EDITS AND VALIDATIONS:

1. Must be numeric.
2. Must be zero or a valid month and day.
3. If START-PERIOD present, END-PERIOD must be later.

COMMENTS:

NONE

MODEL STATE INFORMATION SYSTEM
DATA ELEMENT DESCRIPTION

DATE: 1/7/76 REVISION DATE __/__/__ REVISION NO. ____ PAGE __OF__

PREPARED BY: AMERICAN MANAGEMENT SYSTEMS, INC.

DATA ELEMENT CATALOG. REF.	DATA ELEMENT MNEMONIC	DATA ELEMENT NAME
050	NO-SAMPLING	SAMPLING REQUIREMENT WAIVE INDICATOR

DESCRIPTION AND USE:

Indicating whether the state waived the requirement for sampling for organic chemical analysis.

DATA TYPE	SUB FIELDS DESCRIPTION	STATUS
Numeric	NONE	RESERVED ☐
PICTURE: 9(1)		CURRENT ☒

SOURCE(S):

Determined by authorized state personnel.

EXISTS IN FILE/TABLE

PWSIF	SAF	VEF	PWS TABLE	EAF	REGS	OPER & MAIL	VIOLATIONS	METHODS	DEVIATIONS	MSIS HISTORY
X										

INPUT/OUTPUT TO SUBSYSTEMS

PWSI	COMPLY	V & E	FEDR		ENFORCE	REGS	MAIL	SURVEY
X	X		X					X

EPA REPORTING: No

VALUES:

0 - Requirement not waived
1 - Requirement waived

EDITS AND VALIDATIONS:

1. Must be 0 or 1.
2. May not be 1 if PWS has any surface water source

COMMENTS:

NONE

MODEL STATE INFORMATION SYSTEM
DATA ELEMENT DESCRIPTION

DATE: 1/7/76 REVISION DATE 4/15/76 REVISION NO. 1 PAGE ___ OF ___

PREPARED BY: AMERICAN MANAGEMENT SYSTEMS, INC.

DATA ELEMENT CATALOG. REF.	DATA ELEMENT MNEMONIC	DATA ELEMENT NAME
051	NITRATE-FREQ	NITRATE MONITORING FREQUENCY

DESCRIPTION AND USE:
Frequency of monitoring nitrate for a non-community PWS, as determined by the state.

DATA TYPE	SUB FIELDS DESCRIPTION	STATUS
Numeric	NONE	RESERVED ☐
PICTURE: 9(4)		CURRENT ☒

SOURCE(S):
Determined by authorized state personnel

EXISTS IN FILE/TABLE										
PWSIF	SAF	VEF	PWS TABLE	EAF	REGS	OPER & MAIL	VIOLATIONS	METHODS	DEVIATIONS	MSIS HISTORY
X										

INPUT/OUTPUT TO SUBSYSTEMS								
PWSI	COMPLY	V & E	FEDR		ENFORCE	REGS	MAIL	SURVEY
X	X		X					X

EPA REPORTING: No

VALUES:

A numeric value expressing the maximum number of days that may elapse between consecutive samples.

EDITS AND VALIDATIONS:

1. Must be numeric.
2. If PWS is non-community, must be greater than zero.

COMMENTS:

NONE

MODEL STATE INFORMATION SYSTEM
DATA ELEMENT DESCRIPTION

DATE: 1/7/76 REVISION DATE __/__/__ REVISION NO. ____ PAGE __OF__

PREPARED BY: AMERICAN MANAGEMENT SYSTEMS, INC.

DATA ELEMENT CATALOG. REF. 052	DATA ELEMENT MNEMONIC RESERVE	DATA ELEMENT NAME RESERVED AREA

DESCRIPTION AND USE:

Area reserved in a record for accomodating future requirements for additional data elements.

DATA TYPE: A/N PICTURE: N/A	SUB FIELDS DESCRIPTION: N/A	STATUS RESERVED [X] CURRENT [ ]

SOURCE(S): N/A

EXISTS IN FILE/TABLE

PWSIF	SAF	VEF	PWS TABLE	EAF	REGS	OPER / MAIL	VIOLATIONS	METHODS	DEVIATIONS	MSIS HISTORY
X										

INPUT/OUTPUT TO SUBSYSTEMS

PWSI	COMPLY	V & E	FEDR		ENFORCE	REGS	MAIL	SURVEY

EPA REPORTING N/A

VALUES: N/A

EDITS AND VALIDATIONS: N/A

COMMENTS:

MODEL STATE INFORMATION SYSTEM
DATA ELEMENT DESCRIPTION

DATE: 1/7/76 REVISION DATE __/__/__ REVISION NO. ____ PAGE __OF__

PREPARED BY: AMERICAN MANAGEMENT SYSTEMS, INC.

DATA ELEMENT CATALOG. REF.	DATA ELEMENT MNEMONIC	DATA ELEMENT NAME
053	RESERVE-FOR-STATE	AREA RESERVED FOR STATE USAGE

DESCRIPTION AND USE:
Area in a record reserved for use by state. Size of areas vary depending to file.

DATA TYPE	SUB FIELDS DESCRIPTION	STATUS
A/N	N/A	RESERVED ☒
PICTURE: N/A		CURRENT ☐

SOURCE(S):
N/A

EXISTS IN FILE/TABLE

PWSIF	SAF	VEF	PWS TABLE	EAF	REGS	OPER & MAIL	VIOLATIONS	METHODS	DEVIATIONS	MSIS HISTORY
X			X							

INPUT/OUTPUT TO SUBSYSTEMS

PWSI	COMPLY	V & E	FEDR		ENFORCE	REGS	MAIL	SURVEY
X				X				

EPA REPORTING N/A

VALUES:
N/A

EDITS AND VALIDATIONS:
N/A

COMMENTS:
A state who wishes to use this area must provide its own handling routines, input forms, etc.

MODEL STATE INFORMATION SYSTEM
DATA ELEMENT DESCRIPTION

DATE: 1/7/76 REVISION DATE __/__/__ REVISION NO. ____ PAGE __OF__

PREPARED BY: AMERICAN MANAGEMENT SYSTEMS, INC.

DATA ELEMENT CATALOG. REF.	DATA ELEMENT MNEMONIC	DATA ELEMENT NAME
054	V-AND-E	VARIANCES AND EXEMPTIONS

DESCRIPTION AND USE:

An area in a PWS record for up to 12 variances and exemptions as applied to MCL's.

DATA TYPE: A/N

PICTURE: X

SUB FIELDS DESCRIPTION:

Contaminant-ID
MCL

STATUS
RESERVED [ ]
CURRENT [X]

SOURCE(S): Will be automatically generated by the update process of the VEF file or if V&E subsystem not automated, via input forms.

EXISTS IN FILE/TABLE										
PWSIF	SAF	VEF	PWS TABLE	EAF	REGS	OPER & MAIL	VIOLATIONS	METHODS	DEVIATIONS	MSIS HISTORY
x	x									

INPUT/OUTPUT TO SUBSYSTEMS								
PWSI	COMPLY	V & E	FEDR		ENFORCE	REGS	MAIL	SURVEY
x	x		x					

EPA REPORTING No

VALUES:

N/A

EDITS AND VALIDATIONS:

Each occurance of V and E must be either empty or contain a pair of contaminant-ID and MCL

COMMENTS:

EPA reporting done through the V & E subsystem.

MODEL STATE INFORMATION SYSTEM
DATA ELEMENT DESCRIPTION

DATE: 1/7/76 REVISION DATE __/__/__ REVISION NO. ____ PAGE __OF__

PREPARED BY: AMERICAN MANAGEMENT SYSTEMS, INC.

DATA ELEMENT CATALOG. REF. 055	DATA ELEMENT MNEMONIC MCL	DATA ELEMENT NAME MAXIMUM (MINIMUM) CONTAMINANT LEVEL

DESCRIPTION AND USE:
The maximum or minimum level defined by state or federal regulations for each contaminant, or as determined by a variance or an exemption.

DATA TYPE: Numeric PICTURE: 9(6)	SUB FIELDS DESCRIPTION: NONE	STATUS RESERVED ☐ CURRENT ☒

SOURCE(S):
State or federal regulations or variance or exemption.

EXISTS IN FILE/TABLE										
PWSIF	SAF	VEF	PWS TABLE	EAF	REGS	OPER & MAIL	VIOLATIONS	METHODS	DEVIATIONS	MSIS HISTORY
X	X	X		X	X				X	

INPUT/OUTPUT TO SUBSYSTEMS								
PWSI	COMPLY	V & E	FEDR		ENFORCE	REGS	MAIL	SURVEY
X	X	X	X		X	X		X

EPA REPORTING No

VALUES:
A numeric value

EDITS AND VALIDATIONS:
On regulations table - visual verification
Otherwise - must be numeric

COMMENTS:
The decimal point and measuring units are defined by the MCL-DECIMALS and UNITS data elements.

MODEL STATE INFORMATION SYSTEM
DATA ELEMENT DESCRIPTION

DATE: 1/7/76 REVISION DATE __/__/__ REVISION NO. ____ PAGE __OF__

PREPARED BY: AMERICAN MANAGEMENT SYSTEMS, INC.

DATA ELEMENT CATALOG. REF. 056	DATA ELEMENT MNEMONIC SOURCE-NUM	DATA ELEMENT NAME WATER SOURCES NUMBER

DESCRIPTION AND USE:

Number of water sources attached to a PWS record in the PWSIF. Needed by COBOL to control variable length PWS records.

DATA TYPE: Numeric PICTURE: 9(2)	SUB FIELDS DESCRIPTION: NONE	STATUS RESERVED ☐ CURRENT ☒

SOURCE(S):

NONE

EXISTS IN FILE/TABLE										
PWSIF	SAF	VEF	PWS TABLE	EAF	REGS	OPER & MAIL	VIOLATIONS	METHODS	DEVIATIONS	MSIS HISTORY
X										

INPUT/OUTPUT TO SUBSYSTEMS									
PWSI	COMPLY	V & E	FEDR	___	ENFORCE	REGS	MAIL	SURVEY	
X			X					X	

EPA REPORTING: No

VALUES:

00 to 15

EDITS AND VALIDATIONS:

None (internally generated)

COMMENTS:

Currently a maximum of 15 sources is allowed per one PWS.

MODEL STATE INFORMATION SYSTEM
DATA ELEMENT DESCRIPTION

DATE: 1/7/76 REVISION DATE __/__/__ REVISION NO. ____ PAGE __OF__

PREPARED BY: AMERICAN MANAGEMENT SYSTEMS, INC.

DATA ELEMENT CATALOG. REF.	DATA ELEMENT MNEMONIC	DATA ELEMENT NAME
Ø57	SOURCE-NAME	NAME OF WATER SOURCE

DESCRIPTION AND USE:

Used for reporting. Identifies a water source by its name. Required by the EPA PWS Inventory File.

DATA TYPE	SUB FIELDS DESCRIPTION:	STATUS
A/N	NONE	RESERVED ☐
PICTURE: X(15)		CURRENT ☒

SOURCE(S):
Entered by input forms. Name of source obtained from PWS permit documents

EXISTS IN FILE/TABLE

PWSIF	SAF	VEF	PWS TABLE	EAF	REGS	OPER & MAIL	VIOLATIONS	METHODS	DEVIATIONS	MSIS HISTORY
X										

INPUT/OUTPUT TO SUBSYSTEMS

PWSI	COMPLY	V & E	FEDR		ENFORCE	REGS	MAIL	SURVEY
X			X					X

EPA REPORTING Yes

VALUES:

N/A

EDITS AND VALIDATIONS:

N/A

COMMENTS:

N/A

MODEL STATE INFORMATION SYSTEM
DATA ELEMENT DESCRIPTION

DATE: 1/7/76 REVISION DATE 4/15/76 REVISION NO. 1 PAGE OF

PREPARED BY: AMERICAN MANAGEMENT SYSTEMS, INC.

DATA ELEMENT CATALOG. REF.	DATA ELEMENT MNEMONIC	DATA ELEMENT NAME
058	LATITUDE	LATITUDE OF WATER SOURCE

DESCRIPTION AND USE:

Latitude of water source is required by the EPA PWS Iventory File. Also used raw water samples will be input to STORET.

DATA TYPE	SUB FIELDS DESCRIPTION	STATUS
Numeric	Degrees - 3 positions Minutes - 2 positions Seconds - 2 positions	RESERVED ☐ CURRENT ☒
PICTURE: 9(7)		

SOURCE(S):
Entered on input form. Determined from PWS Jocuments.

EXISTS IN FILE/TABLE										
PWSIF	SAF	VEF	PWS TABLE	EAF	REGS	OPER & MAIL	VIOLATIONS	METHODS	DEVIATIONS	MSIS HISTORY
x	x									

INPUT/OUTPUT TO SUBSYSTEMS								
PWSI	COMPLY	V & E	FEDR		ENFORCE	REGS	MAIL	SURVEY
x	x		x					x

EPA REPORTING: Yes

VALUES:

Any value that is within the state's boundary.

EDITS AND VALIDATIONS:

1. Must be numeric.
2. The first position of the degrees must be zero.
3. Minutes and seconds maximum value is 60.
4. Latitude must be within state.

COMMENTS:

The drinking water standards are for samples taken from the distribution system, and there is the use for this data element will be applicable only to sampling from sources.

MODEL STATE INFORMATION SYSTEM
DATA ELEMENT DESCRIPTION

DATE: 1/7/76 REVISION DATE 4/15/76 REVISION NO. 1 PAGE ___OF___

PREPARED BY: AMERICAN MANAGEMENT SYSTEMS, INC.

DATA ELEMENT CATALOG. REF. 059	DATA ELEMENT MNEMONIC LONGITUDE	DATA ELEMENT NAME LONGITUDE OF WATER SOURCE

DESCRIPTION AND USE:

Longitude of water source is required by the EPA PWS Inventory File. Also may be used if raw water samples will be input to STORET.

DATA TYPE: Numeric

PICTURE: 9(7)

SUB FIELDS DESCRIPTION:

Degrees - 3 positions
Minutes - 2 positions
Seconds - 2 positions

STATUS
RESERVED ☐
CURRENT ☒

SOURCE(S):

Entered on input form. Determined from PWS documents.

EXISTS IN FILE/TABLE

PWSIF	SAF	VEF	PWS TABLE	EAF	REGS	OPER / MAIL	VIOLATIONS	METHODS	DEVIATIONS	MSIS HISTORY
x	x									

INPUT/OUTPUT TO SUBSYSTEMS

PWSI	COMPLY	V & E	FEDR		ENFORCE	REGS	MAIL	SURVEY
x	x		x					x

EPA REPORTING
Yes

VALUES:

Any value that is within the state's boundary.

EDITS AND VALIDATIONS:

1. Must be numeric.
2. Minutes and seconds maximum value is 60.
3. Longitude must be within the state.

COMMENTS:

The drinking water standards are for samples taken from the distribution system, and there is the use for this data element will be applicable only to sampling from sources.

MODEL STATE INFORMATION SYSTEM
DATA ELEMENT DESCRIPTION

DATE: 1/7/76 REVISION DATE 4/15/76 REVISION NO. 1 PAGE __OF__

PREPARED BY: AMERICAN MANAGEMENT SYSTEMS, INC.

DATA ELEMENT CATALOG. REF.	DATA ELEMENT MNEMONIC	DATA ELEMENT NAME
060	SOURCE-CODE	SOURCE TYPE CODE

DESCRIPTION AND USE:

Identifying the type of water source. Sampling frequency requirement depends on type of source. Also required for reporting to EPA. Even if only one source, out of many, is surface water then the PWS is classified as using surface water.

DATA TYPE	SUB FIELDS DESCRIPTION	STATUS
A/N	NONE	RESERVED ☐
PICTURE: X(1)		CURRENT ☒

SOURCE(S):

Entered on input forms. Determined from PWS documents.

EXISTS IN FILE/TABLE										
PWSIF	SAF	VEF	PWS TABLE	EAF	REGS	UPER & MAIL	VIOLATIONS	METHODS	DEVIATIONS	MSIS HISTORY
x	x									

INPUT/OUTPUT TO SUBSYSTEMS									
PWSI	COMPLY	V & E	FEDR		ENFORCE	REGS	MAIL	SURVEY	
x	x		x					x	

EPA REPORTING Yes

VALUES:

S - Surface Water
G - Ground Water
P - Purchased Water (treated water)
D - Distribution System

EDITS AND VALIDATIONS:

PWSIF - Must have the values S, U, or P.
Other - Must have the values S, U, P, or D.

COMMENTS:

NONE

MODEL STATE INFORMATION SYSTEM
DATA ELEMENT DESCRIPTION

DATE: 1/7/76 REVISION DATE 4/15/76 REVISION NO. 1 PAGE __OF__

PREPARED BY: AMERICAN MANAGEMENT SYSTEMS, INC.

DATA ELEMENT CATALOG. REF.	DATA ELEMENT MNEMONIC	DATA ELEMENT NAME
061	TREATMENTS	APPLIED WATER TREATMENTS

DESCRIPTION AND USE:

Indication of water treatment techniques which are applied to a water source. Required by the EPA PWS Inventory File.

DATA TYPE:

PICTURE:

SUB FIELDS DESCRIPTION:

13 subfields. 12 applied to particular techniques. The 13th is for "other"

STATUS

RESERVED ☐

CURRENT ☒

SOURCE(S):

Entered on input forms. Determined from permit and verified by sanitary surveys.

EXISTS IN FILE/TABLE											
PWSIF	SAF	VEF	PWS TABLE	EAF	REGS	OPER & MAIL	VIOLATIONS	METHODS	DEVIATIONS	MSIS HISTORY	
x											

INPUT/OUTPUT TO SUBSYSTEMS									
PWSI	COMPLY	V & E	FEDR		ENFORCE	REGS	MAIL	SURVEY	
x			x					x	

EPA REPORTING Yes

VALUES:

For each technique,
Ø - not applied
1 - applied

EDITS AND VALIDATIONS:

Must be Ø or 1 for every technique.

COMMENTS:

Providing for techniques:

Aeration, Prechlorination, Coagulation, Sedimentation, Filtration, Corrosion Control, Softening, Taste and Odor Control, Iron Removal, Ammoniation, Fluoride Adjustment, Disinfection, Others.

MODEL STATE INFORMATION SYSTEM
DATA ELEMENT DESCRIPTION

DATE: 1/7/76 REVISION DATE __/__/__ REVISION NO. ____ PAGE __OF__

PREPARED BY: AMERICAN MANAGEMENT SYSTEMS, INC.

DATA ELEMENT CATALOG. REF.	DATA ELEMENT MNEMONIC	DATA ELEMENT NAME
062	LAB-CONTROL	LABORATORY CONTROL INDICATORS

DESCRIPTION AND USE:

Flags to indicate if a PWS Water Source has its own laboratory for operational testing. Required by the EPA PWS Inventory File.

DATA TYPE	SUB FIELDS DESCRIPTION:	STATUS
Numeric	Three control features: Chemical, Bacteriological, Physical, and Radiological	RESERVED ☐
PICTURE: 9(1)		CURRENT ☒

SOURCE(S):
Entered on input forms. Determined from the PWS permit and verified by sanitary surveys.

EXISTS IN FILE/TABLE											
PWSIF	SAF	VEF	PWS TABLE	EAF	REGS	OPER ? MAIL	VIOLATIONS	METHODS	DEVIATIONS	MSIS HISTORY
x										

INPUT/OUTPUT TO SUBSYSTEMS								
PWSI	COMPLY	V & E	FEDR		ENFORCE	REGS	MAIL	SURVEY
x			x					x

EPA REPORTING: Yes

VALUES:
For each type:
0 - Has own laboratory control
1 - Does not have own laboratory control

EDITS AND VALIDATIONS:

Must be 0 or 1.

COMMENTS:

NONE

MODEL STATE INFORMATION SYSTEM
DATA ELEMENT DESCRIPTION

DATE: 1/7/76 REVISION DATE 4/15/76 REVISION NO. 1 PAGE __ OF __

PREPARED BY: AMERICAN MANAGEMENT SYSTEMS, INC.

DATA ELEMENT CATALOG. REF.	DATA ELEMENT MNEMONIC	DATA ELEMENT NAME
063	SAMPLE-TYPE	TYPE OF WATER SAMPLED

DESCRIPTION AND USE:

Identifies the type of water which was sampled, and the sample itself. Necessary for identifying distribution system and check samples.

DATA TYPE:	SUB FIELDS DESCRIPTION:	STATUS
A/N		RESERVED ☐
PICTURE: X(1)	NONE	CURRENT ☒

SOURCE(S):
As marked on input forms by the person who made the sampling

EXISTS IN FILE/TABLE											
PWSIF	SAF	VEF	PWS TABLE	EAF	REGS	OPER & MAIL	VIOLATIONS	METHODS	DEVIATIONS	MSIS HISTORY	
	x										

INPUT/OUTPUT TO SUBSYSTEMS								
PWSI	COMPLY	V & E	FEDR		ENFORCE	REGS	MAIL	SURVEY
	x							

EPA REPORTING: No

VALUES:
R - Raw water sample
C - Check and repeat samples from the distribution system
D - Regular distribution system samples
S - Special Sample

EDITS AND VALIDATIONS:

Must have one of the above values

COMMENTS:
Only samples from the distribution system are considered for drinking water quality standards.

MODEL STATE INFORMATION SYSTEM
DATA ELEMENT DESCRIPTION

DATE: 1/7/76 REVISION DATE __/__/__ REVISION NO. ____ PAGE __OF__

PREPARED BY: AMERICAN MANAGEMENT SYSTEMS, INC.

DATA ELEMENT CATALOG. REF.	DATA ELEMENT MNEMONIC	DATA ELEMENT NAME
064	V&E-DATA	DATA ON V & E

DESCRIPTION AND USE:

If a PWS has a V & E modifying the MCL, this modified MCL is attached to SAF records for use in reporting.

DATA TYPE	SUB FIELDS DESCRIPTION	STATUS
Numeric	MCL	RESERVED ☐
PICTURE: 9(4)		CURRENT ☒

SOURCE(S):
As coded in the PWSIF and applied to that particular PWS and contaminant

EXISTS IN FILE/TABLE

PWSIF	SAF	VEF	PWS TABLE	EAF	REGS	OPER & MAIL	VIOLATIONS	METHODS	DEVIATIONS	MSIS HISTORY
	x									

INPUT/OUTPUT TO SUBSYSTEMS

PWSI	COMPLY	V & E	FEDR		ENFORCE	REGS	MAIL	SURVEY
x	x							

EPA REPORTING: No

VALUES:

As applied to MCL

EDITS AND VALIDATIONS:

As applied to MCL

COMMENTS:

MODEL STATE INFORMATION SYSTEM
DATA ELEMENT DESCRIPTION

DATE: 1/7/76 REVISION DATE __/__/__ REVISION NO. ____ PAGE __OF__

PREPARED BY: AMERICAN MANAGEMENT SYSTEMS, INC.

DATA ELEMENT CATALOG. REF.	DATA ELEMENT MNEMONIC	DATA ELEMENT NAME
065	OWNER-TYPE	LABORATORY OWNER TYPE

DESCRIPTION AND USE:

A code describing the type of the laboratory owner

DATA TYPE	SUB FIELDS DESCRIPTION:	STATUS
A/N	NONE	RESERVED ☐
PICTURE: X(1)		CURRENT ☒

SOURCE(S):

Laboratory certificatin documents.

EXISTS IN FILE/TABLE

PWSIF	SAF	VEF	PWS TABLE	EAF	REGS	OPER & MAIL	VIOLATIONS	METHODS	DEVIATIONS	MSIS HISTORY
	x		x				x		x	

INPUT/OUTPUT TO SUBSYSTEMS

PWSI	COMPLY	V & E	FEDR		ENFORCE	REGS	MAIL	SURVEY
	x		x					

EPA REPORTING Yes

VALUES:

1 - PWS
2 - State
3 - Private
4 - University
5 - Hospital
6 - Other

EDITS AND VALIDATIONS:

Must have one of the above values

COMMENTS:

NONE

MODEL STATE INFORMATION SYSTEM
DATA ELEMENT DESCRIPTION

DATE: 1/7/76 REVISION DATE __/__/__ REVISION NO. ____ PAGE __OF__

PREPARED BY: AMERICAN MANAGEMENT SYSTEMS, INC.

DATA ELEMENT CATALOG. REF.	DATA ELEMENT MNEMONIC	DATA ELEMENT NAME
866	LAB-DATA	LABORATORY DATA

DESCRIPTION AND USE:

This data element is used in SAF records to identify the laboratory ownership and authorization to perform analysis for a particular contaminant.

DATA TYPE: A/N, 2

PICTURE: _____

SUB FIELDS DESCRIPTION:

Owner-Type
Authorization-Indicator

STATUS
RESERVED ☐
CURRENT ☒

SOURCE(S):

The laboratory Inventory File (Table)

EXISTS IN FILE/TABLE

PWSIF	SAF	VEF	PWS TABLE	EAF	REGS	OPER / MAIL	VIOLATIONS	METHODS	DEVIATIONS	MSIS HISTORY
	x		x				x		x	

INPUT/OUTPUT TO SUBSYSTEMS

PWSI	COMPLY	V & E	FEDR		ENFORCE	REGS	MAIL	SURVEY
	x		x					

EPA REPORTING
No

VALUES:

As applied to owner-type and authorization-indicator

EDITS AND VALIDATIONS:

N/A, internally generated

COMMENTS:

For summary records, the laboratory data is the one that applies to the majority of individual samples from which the summary is made.

MODEL STATE INFORMATION SYSTEM
DATA ELEMENT DESCRIPTION

DATE: 1/7/76 REVISION DATE __/__/__ REVISION NO. ____ PAGE __OF__

PREPARED BY: AMERICAN MANAGEMENT SYSTEMS, INC.

DATA ELEMENT CATALOG. REF.	DATA ELEMENT MNEMONIC	DATA ELEMENT NAME
067	DESIGN-CAPACITY	DESIGN PRODUCTION CAPACITY

DESCRIPTION AND USE:

Design (approved) capacity of the treatment plant, in gallons per day. Used to identify PWS's whose average capacity approaches the limits of approved capacity.

DATA TYPE:	SUB FIELDS DESCRIPTION:	STATUS
A/N		RESERVED ☐
PICTURE: X(1)	NONE	CURRENT ☒

SOURCE(S):
Laboratory certification documents.

EXISTS IN FILE/TABLE										
PWSIF	SAF	VEF	PWS TABLE	EAF	REGS	OPER & MAIL	VIOLATIONS	METHODS	DEVIATIONS	MSIS HISTORY
	x		x				x		x	

INPUT/OUTPUT TO SUBSYSTEMS									
PWSI	COMPLY	V & E	FEDR		ENFORCE	REGS	MAIL	SURVEY	
	x		x						

EPA REPORTING: No

VALUES:

Y - Yes, authorized
N - Not authorized

EDITS AND VALIDATIONS:
Must be 'Y' or 'N'

COMMENTS:

NONE

MODEL STATE INFORMATION SYSTEM
DATA ELEMENT DESCRIPTION

DATE: 1/7/76 REVISION DATE __/__/__ REVISION NO. ____ PAGE __OF__

PREPARED BY: AMERICAN MANAGEMENT SYSTEMS, INC.

DATA ELEMENT CATALOG. REF. 068	DATA ELEMENT MNEMONIC START-DATE	DATA ELEMENT NAME SAMPLING PERIOD STARTING DATE

DESCRIPTION AND USE:
Date on which the sampling period begun.

DATA TYPE: Numeric	SUB FIELDS DESCRIPTION:	STATUS
PICTURE: 9(5), 9(6)	On input: MMDDYY On file: YYnnn (Julian format)	RESERVED ☐ CURRENT ☒

SOURCE(S):
Samples input forms

EXISTS IN FILE/TABLE

PWSIF	SAF	VEF	PWS TABLE	EAF	REGS	OPER & MAIL	VIOLATIONS	METHODS	DEVIATIONS	MSIS HISTORY
	x									

INPUT/OUTPUT TO SUBSYSTEMS

PWSI	COMPLY	V & E	FEDR		ENFORCE	REGS	MAIL	SURVEY
	x							

EPA REPORTING: No

VALUES:
A valid date.

EDITS AND VALIDATIONS:
1. Must be numeric
2. Must be a valid date
3. Must be earlier than processing date.

COMMENTS:
NONE

MODEL STATE INFORMATION SYSTEM
DATA ELEMENT DESCRIPTION

DATE: 1/7/76 REVISION DATE __/__/__ REVISION NO. ____ PAGE __OF__

PREPARED BY: AMERICAN MANAGEMENT SYSTEMS, INC.

DATA ELEMENT CATALOG. REF.	DATA ELEMENT MNEMONIC	DATA ELEMENT NAME
069	END-DATE	SAMPLING PERIOD ENDING DATE

DESCRIPTION AND USE:
Date on which the sampling period ended.

DATA TYPE	SUB FIELDS DESCRIPTION	STATUS
Numeric	On input: MMDDYY On file: YYnnn (Julian format)	RESERVED ☐ CURRENT ☒
PICTURE: 9(5), 9(6)		

SOURCE(S):
Sample input form

EXISTS IN FILE/TABLE

PWSIF	SAF	VEF	PWS TABLE	EAF	REGS	OPER & MAIL	VIOLATIONS	METHODS	DEVIATIONS	MSIS HISTORY
	x									

INPUT/OUTPUT TO SUBSYSTEMS

PWSI	COMPLY	V & E	FEDR		ENFORCE	REGS	MAIL	SURVEY
	x							

EPA REPORTING
No

VALUES:
A valid date.

EDITS AND VALIDATIONS:
1. Must be numeric
2. Must be a valid date
3. Must be earlier than processing date.
4. Must be later than start-date.

COMMENTS:
NONE

MODEL STATE INFORMATION SYSTEM
DATA ELEMENT DESCRIPTION

DATE: 1/7/76 REVISION DATE __/__/__ REVISION NO. ____ PAGE __OF__

PREPARED BY: AMERICAN MANAGEMENT SYSTEMS, INC.

DATA ELEMENT CATALOG. REF.	DATA ELEMENT MNEMONIC	DATA ELEMENT NAME
070	PERIOD-TYPE	SAMPLING PERIOD CODE

DESCRIPTION AND USE:
Used in SAF records to indicate the length of sampling period to which the record is applicable.

DATA TYPE	SUB FIELDS DESCRIPTION:	STATUS
A/N	NONE	RESERVED ☐
PICTURE: X(1)		CURRENT ☒

SOURCE(S):
The Periodical Samples File

EXISTS IN FILE/TABLE												INPUT/OUTPUT TO SUBSYSTEMS									EPA REPORTING
PMSIP	SAP	PSP	PMS TABLE	SAF	RECS	PSP * MAIL	VIOLATIONS	METHODS	DEVIATIONS	RECS HISTORY		PMSI	COMPLY	D & E	FEDR		ENFORCE	RECS	MAIL	SURVEY	
	X												X		X						No

VALUES:
M - Monthly
Q - Quarterly
Y - Yearly
O - Other

EDITS AND VALIDATIONS:
None. Internally generated.

COMMENTS:
None

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE: 1/7/76 REVISION DATE 4/15/76 REVISION NO. 1 PAGE __ OF __

PREPARED BY: AMERICAN MANAGEMENT SYSTEMS, INC.

DATA ELEMENT CATALOG. REF.	DATA ELEMENT MNEMONIC	DATA ELEMENT NAME
871	ANALYSIS-METHOD	SAMPLE ANALYSIS METHOD

DESCRIPTION AND USE:

A four digit code describing an authorized analysis method.

DATA TYPE:	SUB FIELDS DESCRIPTION:	STATUS
Numeric		RESERVED
PICTURE: 9(3)	NONE	CURRENT X

SOURCE(S):

Federal and state regulations. Table will be defined as part of MSIS design.

EXISTS IN FILE/TABLE

*	*	*	*	*	*	*	*	*	*

INPUT/OUTPUT TO SUBSYSTEMS

*	*	*	*	*	*	*	*

EPA REPORTING: No

VALUES:

To the Analysis Methods Table (Exhibit IX.2)

EDITS AND VALIDATIONS:

When inputted, it must be numeric, and contained in a table of analysis methods codes.

COMMENTS:

1. STORET uses a combined code of containment/id and analysis method.
2. If the state wishes to authorize an alternate analysis method, it must receive the code from EPA. Otherwise, the same code at different states will refer to different methods.

Page

MODEL STATE INFORMATION SYSTEM
DATA ELEMENT DESCRIPTION

DATE: 1/7/76 REVISION DATE __/__/__ REVISION NO. ____ PAGE __OF__

PREPARED BY: AMERICAN MANAGEMENT SYSTEMS, INC.

DATA ELEMENT CATALOG. REF. 872	DATA ELEMENT MNEMONIC SAMPLES-REQUIRED	DATA ELEMENT NAME NUMBER OF SAMPLES REQUIRED

DESCRIPTION AND USE:

The number of samples that a PWS was required to make during a sampling period. Used in SAF summary records to report on violations.

DATA TYPE: Numeric PICTURE: 9(5)	SUB FIELDS DESCRIPTION: NONE	STATUS RESERVED ☐ CURRENT ☑

SOURCE(S):

Internally generated. Value depends on regulations, PWS type, size of the population served, and S & L.

EXISTS IN FILE/TABLE												INPUT/OUTPUT TO SUBSYSTEMS												EPA REPORTING
PWS ID	SAMPLING POINT ID	SAMPLE ID	ANALYSIS RUN ID	ANALYSIS ID	ANALYTE CODE	LEVEL & VALUE QUALIFIERS	ANALYTE VALUE	VIOLATION CODES	VIOLATION STATUS	DATA HISTORY		PWS ID	SAMPLING POINT ID	SAMPLE ID	ANALYSIS RUN ID	ANALYSIS ID	ANALYTE CODE	LEVEL & VALUE QUALIFIERS	ANALYTE VALUE	VIOLATION CODES	VIOLATION STATUS	DATA HISTORY		
																								No

VALUES:

A positive number.

EDITS AND VALIDATIONS:

None

COMMENT:

To allow for bacteriological summary records for several analysis methods during the same sampling period. The value of this data element is the same for all summary records.

MODEL STATE INFORMATION SYSTEM
DATA ELEMENT DESCRIPTION

DATE: 1/7/76 REVISION DATE __/__/__ REVISION NO. ____ PAGE __OF__

PREPARED BY: AMERICAN MANAGEMENT SYSTEMS, INC.

DATA ELEMENT CATALOG. REF. 873	DATA ELEMENT MNEMONIC SAMPLES-RECEIVED	DATA ELEMENT NAME NUMBER OF SAMPLES RECEIVED

DESCRIPTION AND USE:

The number of samples received during a sampling period, for a specific analysis method. Used in SAF summary records and for reporting.

DATA TYPE: N	SUB FIELDS DESCRIPTION:	STATUS
PICTURE: 9(5)	NONE	RESERVED ☐
		CURRENT ☒

SOURCE(S):

Internally generated at the time a summry record is created from individual sample records.

EXISTS IN FILE/TABLE											
MASTER	SAF	WATER	WATER QUALITY	AIR	AIR QUALITY	SOLID WASTE	HAZARDOUS WASTE	RADIATION	RADIATION MONITORING	RADIATION WASTE	
	*										

INPUT/OUTPUT TO SUBSYSTEMS								
PNSI	COMPLY	AIR	FEDR	-	ENFORCE	REGS	MAIL	SURVEY
	*							

EPA REPORTING: No

VALUE(S):

A positive number

EDITS AND VALIDATIONS:

NONE

COMMENTS:

NONE

MODEL STATE INFORMATION SYSTEM
DATA ELEMENT DESCRIPTION

DATE: 1/7/76 REVISION DATE __/__/__ REVISION NO. ____ PAGE __OF__

PREPARED BY: AMERICAN MANAGEMENT SYSTEMS, INC.

DATA ELEMENT CATALOG. REF.	DATA ELEMENT MNEMONIC	DATA ELEMENT NAME
074	NOT-COMPLY-STATE	NUMBER OF SAMPLES UNCOMPLYING WITH STATE

DESCRIPTION AND USE:
Number of samples that do not comply with state standards for a single sample, during the sampling period. Used in SAF summary records for reporting compliance.

DATA TYPE:	SUB FIELDS DESCRIPTION:	STATUS
Numeric		RESERVED ☐
PICTURE: 9(5)	NONE	CURRENT ☒

SOURCE(S):
Internally generated at time of summary record creation.

EXISTS IN FILE/TABLE

PWSIF	SAF	WEF	PWS TABLE	EAF	RECSS	LETT & MAIL VIOLATIONS	METHODS	DEVIATIONS	MSTS HISTORY
	*								

INPUT/OUTPUT TO SUBSYSTEMS

PWSI	COMPLY	V & E	FTDB		ENFORCE	RECSS	MAIL	SURVEY
	*							

EPA REPORTING: No

VALUES:

A positive number

EDITS AND VALIDATIONS:

NONE

COMMENTS:

NONE

MODEL STATE INFORMATION SYSTEM
DATA ELEMENT DESCRIPTION

DATE: 1/7/76 REVISION DATE __/__/__ REVISION NO. ____ PAGE __OF__

PREPARED BY: AMERICAN MANAGEMENT SYSTEMS, INC.

DATA ELEMENT CATALOG. REF.	DATA ELEMENT MNEMONIC	DATA ELEMENT NAME
075	NOT-COMPLY-FED	NUMBER OF SAMPLES UNCOMPLYING WITH FEDERAL

DESCRIPTION AND USE:

Number of samples that do not comply with federal standards for a single sample, during the sampling period. Used in SAF summary records for reporting compliance.

DATA TYPE: Numeric	SUB FIELDS DESCRIPTION:	STATUS
PICTURE: 9(5)	NONE	RESERVED ☐ CURRENT ☒

SOURCE(S):
Internally generated at time of summary record creation.

EXISTS IN FILE/TABLE											
PWSID	SAF	WCF	PWS TABLE	CAF	MEDS	SUPER & PWSII VIOLATIONS	METHODS	DEVIATIONS	PWSII HISTORY
	x										

INPUT/OUTPUT TO SUBSYSTEMS								
PWSII	COMPLY	V & E	FLTR		ENFORCE	MEDS	MAIL	SUMMARY
	x							

EPA REPORTING: NO

VALUES:

A positive number

EDITS AND VALIDATIONS:

NONE

COMMENTS:

NONE

MODEL STATE INFORMATION SYSTEM
DATA ELEMENT DESCRIPTION

DATE: 1/7/76 REVISION DATE __/__/__ REVISION NO. ____ PAGE __OF__

PREPARED BY: AMERICAN MANAGEMENT SYSTEMS, INC.

DATA ELEMENT CATALOG. REF. 076	DATA ELEMENT MNEMONIC HIGHEST-RESULT	DATA ELEMENT NAME HIGHEST ANALYSIS RESULT

DESCRIPTION AND USE:

The highest analysis result for a single sample during the sampling period. Used in SAF summary records for compliance reporting.

DATA TYPE: Numeric PICTURE: 9(2)	SUB FIELDS DESCRIPTION: NONE	STATUS RESERVED ☐ CURRENT ☒

SOURCE(S):

Internally generated.

EXISTS IN FILE/TABLE												INPUT/OUTPUT TO SUBSYSTEMS										EPA REPORTING
PWS ID	PLANT	SYST	PWS TABLE	TAP	WELLS	OPER. & WELL VIOLATIONS	VIOLATIONS	PETITIONERS	DEVIATIONS	WELLS HISTORY		PWSID	COMPLY	P & E	FEDS		ENFORCE	WELLS	WELL	SURVEY		No
	A												C									

VALUES:

A positive number

EDITS AND VALIDATIONS:

NONE

COMMENTS:

NONE

No. 0

MODEL STATE INFORMATION SYSTEM
DATA ELEMENT DESCRIPTION

DATE: 1/7/76 REVISION DATE __/__/__ REVISION NO. ____ PAGE __OF__

PREPARED BY: AMERICAN MANAGEMENT SYSTEMS, INC.

DATA ELEMENT CATALOG. REF. 077	DATA ELEMENT MNEMONIC LOWEST-RESULT	DATA ELEMENT NAME LOWEST ANALYSIS RESULT

DESCRIPTION AND USE:

The lowest analysis result for a single sample during the sampling period. Used in SAF summary records for compliance reporting.

DATA TYPE: Numeric PICTURE: 9(2)	SUB FIELDS DESCRIPTION: NONE	STATUS RESERVED ☐ CURRENT ☒

SOURCE(S):
Internally generated

EXISTS IN FILE/TABLE

PWSIF	SAF	VEF	PWS TABLE	EAF	REGS	OPER & MAIL	VIOLATIONS	METHODS	DEVIATIONS	MOIS HISTORY
	x									

INPUT/OUTPUT TO SUBSYSTEMS

PWSI	COMPLY	V & E	FEDR		ENFORCE	REGS	MAIL	SURVEY
	x							

EPA REPORTING
No

VALUES:

A positive number

EDITS AND VALIDATIONS:

NONE

COMMENTS:

NONE

Page

MODEL STATE INFORMATION SYSTEM
DATA ELEMENT DESCRIPTION

DATE: 1/7/76 REVISION DATE __/__/__ REVISION NO. ____ PAGE __ OF __

PREPARED BY: AMERICAN MANAGEMENT SYSTEMS, INC.

DATA ELEMENT CATALOG. REF.	DATA ELEMENT MNEMONIC	DATA ELEMENT NAME
078	MEAN-RESULT	MEAN ANALYSIS RESULT

DESCRIPTION AND USE:

The mean of analysis results for single samples during the sampling period. Used in SAF summary records for compliance reporting.

DATA TYPE	SUB FIELDS DESCRIPTION	STATUS
Numeric	NONE	RESERVED ☐
PICTURE: 9(2)		CURRENT ☒

SOURCE(S):
Internally generated.

EXISTS IN FILE/TABLE										
PWSIF	SAF	VEF	PWS TABLE	EAF	REGS	USER & MAIL	VIOLATIONS	METHODS	DEVIATIONS	MSIS HISTORY
	x									

INPUT/OUTPUT TO SUBSYSTEMS								
PWSI	COMPLY	V & E	FEDR		ENFORCE	REGS	MAIL	SURVEY
	x							

EPA REPORTING
No

VALUES:

A positive number

EDITS AND VALIDATIONS:

NONE

COMMENTS:

NONE

Page

MODEL STATE INFORMATION SYSTEM
DATA ELEMENT DESCRIPTION

DATE: 1/7/76 REVISION DATE __/__/__ REVISION NO. ____ PAGE __OF__

PREPARED BY: AMERICAN MANAGEMENT SYSTEMS, INC.

DATA ELEMENT CATALOG. REF. 079	DATA ELEMENT MNEMONIC LAST-SURVEY-DATE	DATA ELEMENT NAME LAST SURVEY DATE

DESCRIPTION AND USE:

The date on which the last sanitary survey was done at a PWS plant.

DATA TYPE: Numeric	SUB FIELDS DESCRIPTION:	STATUS
PICTURE: 9(6), 9(5)	On input: MMDDYY On file: Julian format (YYnnn)	RESERVED ☐ CURRENT X

SOURCE(S):

Sanitary survey form

EXISTS IN FILE/TABLE											
APWSIF	SAF	WSF	PWS TABLE	EAF	BEGS	OFFER & MAIL	VIOLATIONS	METHODS	DEVIATIONS	WSIS HISTORY	
X											

INPUT/OUTPUT TO SUBSYSTEMS								
PWSI	COMPLY	V & E	FEDB		ENFORCE	BEGS	MAIL	SURVEY
X								X

EPA REPORTING YES

VALUES:

A valid date

EDITS AND VALIDATIONS:

1. Must be a valid date
2. Must be not later than systemm date
3. Must be not earlier than the current value of the last survey date.

COMMENTS:

none

MODEL STATE INFORMATION SYSTEM
DATA ELEMENT DESCRIPTION

DATE: 1/7/76 REVISION DATE __/__/__ REVISION NO. ____ PAGE __OF__

PREPARED BY: AMERICAN MANAGEMENT SYSTEMS, INC.

DATA ELEMENT CATALOG. REF. 888	DATA ELEMENT MNEMONIC POSITIVE-TUBES	DATA ELEMENT NAME NUMBER OF POSITIVE TUBES

DESCRIPTION AND USE:

The number of positive tubes in all samples made during the sampling period for bacteriological analysis. Applicable to SAF summary records for samples analyzed by the fermentation tube method. Used in reporting compliance.

DATA TYPE: Numeric PICTURE: 9(5)	SUB FIELDS DESCRIPTION: NONE	STATUS RESERVED ☐ CURRENT ☒

SOURCE(S):

Generated internally.

EXISTS IN FILE/TABLE

PWSIF	SAF	WEF	PWS TABLE	EAF	REGS	COMP/E/MAIL	VIOLATIONS	METHODS	DEVIATIONS	MAILS HISTORY
	x									

INPUT/OUTPUT TO SUBSYSTEMS

PWSI	COMPLY	V & E	FEDR		ENFORCE	REGS	MAIL	SURVEY
	x							

EPA REPORTING No

VALUES:

A positive number

EDITS AND VALIDATIONS:

NONE

COMMENTS:

NONE

MODEL STATE INFORMATION SYSTEM
DATA ELEMENT DESCRIPTION

DATE: 1/7/76 REVISION DATE __/__/__ REVISION NO. ____ PAGE __OF__

PREPARED BY: AMERICAN MANAGEMENT SYSTEMS, INC.

DATA ELEMENT CATALOG. REF. 081	DATA ELEMENT MNEMONIC SOURCE-ID	DATA ELEMENT NAME NUMBER OF SOURCE WITHIN PWS

DESCRIPTION AND USE:

Identification of a water source for a PWS by its sequential number within a PWS record. Used in raw water sampling only.

DATA TYPE: Numeric PICTURE: 9(2)	SUB FIELDS DESCRIPTION: NONE	STATUS RESERVED ☐ CURRENT ☒

SOURCE(S):

From input form as coded by the person doing the sampling.

EXISTS IN FILE/TABLE

PWSIF	SAF	VEF	PWS TABLE	EAF	REGS	ORDER & MAIL	VIOLATIONS	METHODS	DEVIATIONS	MSIS HISTORY
	X									

INPUT/OUTPUT TO SUBSYSTEMS

PWSI	COMPLY	V & E	FEDR		ENFORCE	REGS	MAIL	SURVEY
	X							

EPA REPORTING No

VALUES:

1 to 15.

EDITS AND VALIDATIONS:

1. Must be numeric
2. Must be in the range 1 to 15.

COMMENTS:

NONE

MODEL STATE INFORMATION SYSTEM
DATA ELEMENT DESCRIPTION

DATE: 1/7/76 REVISION DATE __/__/__ REVISION NO. ____ PAGE __OF__

PREPARED BY: AMERICAN MANAGEMENT SYSTEMS, INC.

DATA ELEMENT CATALOG. REF. 082	DATA ELEMENT MNEMONIC SAMPLE-DATE	DATA ELEMENT NAME SAMPLE DATE

DESCRIPTION AND USE:

Date a single sample was made.

DATA TYPE: Numeric PICTURE: 9(5), 9(6)	SUB FIELDS DESCRIPTION: As input: MMDDYY In files: YYnnn (Julian)	STATUS RESERVED ☐ CURRENT ☒

SOURCE(S):

Input form, as coded by the person performing the analysis.

EXISTS IN FILE/TABLE

PWSIF	SAF	VEF	PWS TABLE	EAF	REGS	OPER & MAIL	VIOLATIONS	METHODS	DEVIATIONS	MSIS HISTORY
	x									

INPUT/OUTPUT TO SUBSYSTEMS

PWSI	COMPLY	V & E	FEDR		ENFORCE	REGS	MAIL	SURVEY
	x							

EPA REPORTING: No

VALUES:

A valid date not earlier than 1977.

EDITS AND VALIDATIONS:

1. Must be a valid date.
2. Must not be earlier than 1977.
3. Must not be later than ANALYSIS-DATE.

COMMENTS:

NONE

MODEL STATE INFORMATION SYSTEM
DATA ELEMENT DESCRIPTION

DATE: 1/7/76 REVISION DATE __/__/__ REVISION NO. ____ PAGE __OF__

PREPARED BY: AMERICAN MANAGEMENT SYSTEMS, INC.

DATA ELEMENT CATALOG. REF.	DATA ELEMENT MNEMONIC	DATA ELEMENT NAME
083	ANALYSIS-DATE	DATE OF ANALYSIS

DESCRIPTION AND USE:

Date of the analysis made on a sample.

DATA TYPE: Numeric

PICTURE: 9(5), 9(6)

SUB FIELDS DESCRIPTION:
As input: MMDDYY
On files: YYnnn (Julian)

STATUS
RESERVED
CURRENT X

SOURCE(S):

Input form, as coded by the person performing the sampling.

EXISTS IN FILE/TABLE

PWSIF	SAF	VEF	PWS TABLE	EAF	REGS	OPER & MAIL	VIOLATIONS	METHODS	DEVIATIONS	MSIS HISTORY
	x									

INPUT/OUTPUT TO SUBSYSTEMS

PWSI	COMPLY	V & E	FEDR	ENFORCE	REGS	MAIL	SURVEY
	x						

EPA REPORTING
No

VALUES:

A valid date not earlier than 1977.

EDITS AND VALIDATIONS:

1. Must be numeric.
2. Must not be earlier than 1977.
3. Must not be earlier than SAMPLE-DATE.

COMMENTS:

NONE

MODEL STATE INFORMATION SYSTEM
DATA ELEMENT DESCRIPTION

DATE: 1/7/76 REVISION DATE __/__/__ REVISION NO. ____ PAGE __OF__

PREPARED BY: AMERICAN MANAGEMENT SYSTEMS, INC.

DATA ELEMENT CATALOG. REF. 084	DATA ELEMENT MNEMONIC LAB-ID	DATA ELEMENT NAME LABORATORY IDENTIFICATION

DESCRIPTION AND USE:
A number identifying a certified laboratory. Used as the key for laboratory records on the LIF.

DATA TYPE: Numeric PICTURE: 9(5)	SUB FIELDS DESCRIPTION: NONE	STATUS RESERVED ☐ CURRENT ☒

SOURCE(S):
Assigned by input clerk when creating a laboratory record.

EXISTS IN FILE/TABLE

PWSIF	SAF	VEF	PWS TABLE	EAF	REGS	OPER & MAIL	VIOLATIONS	METHODS	DEVIATIONS	MSIS HISTORY
	x		x							

INPUT/OUTPUT TO SUBSYSTEMS

PWSI	COMPLY	V & E	FEDR		ENFORCE	REGS	MAIL	SURVEY
	x							

EPA REPORTING
No

VALUES:
A non-zero number

EDITS AND VALIDATIONS:
Must be numeric and non-zero

COMMENTS:
Public water systems using surface water would probably do turbidity testing on premises.

MODEL STATE INFORMATION SYSTEM
DATA ELEMENT DESCRIPTION

DATE: 1/7/76 REVISION DATE __/__/__ REVISION NO. ____ PAGE __OF__

PREPARED BY: AMERICAN MANAGEMENT SYSTEMS, INC.

DATA ELEMENT CATALOG. REF.	DATA ELEMENT MNEMONIC	DATA ELEMENT NAME
085	ANALYSIS-RESULT	ANALYSIS RESULT

DESCRIPTION AND USE:
Results of sample analysis

DATA TYPE: Numeric

PICTURE: 9(6)

SUB FIELDS DESCRIPTION:
NONE

STATUS
RESERVED [ ]
CURRENT [X]

SOURCE(S):
Sample input form, as fitted by laboratory.

EXISTS IN FILE/TABLE

PWSIF	SAF	VEF	PWS TABLE	EAF	REGS	OPER & MAIL	VIOLATIONS	METHODS	DEVIATIONS	MSIS HISTORY
	X						X		X	

INPUT/OUTPUT TO SUBSYSTEMS

PWSI	COMPLY	V & E	FEDR		ENFORCE	REGS	MAIL	SURVEY
	X		X					

EPA REPORTING Yes

VALUES:

A numeric value. Units and decimal point position same as those defined for contaminant.

EDITS AND VALIDATIONS:

Must be numeric

COMMENTS:

NONE

MODEL STATE INFORMATION SYSTEM
DATA ELEMENT DESCRIPTION

DATE: 1/7/76 REVISION DATE 4/15/76 REVISION NO. 1 PAGE ___ OF ___

PREPARED BY: AMERICAN MANAGEMENT SYSTEMS, INC.

DATA ELEMENT CATALOG. REF.	DATA ELEMENT MNEMONIC	DATA ELEMENT NAME
086	AIR-TEMPERATURE	AIR TEMPERATURE

DESCRIPTION AND USE:

Used for determining compliance with MCL for fluoride. It is the annual average of daily maximum air temperature at the sampling site.

DATA TYPE	SUB FIELDS DESCRIPTION:	STATUS
Numeric	NONE	RESERVED ☐
PICTURE: 9(2)V9(1)		CURRENT ☒

SOURCE(S):

As determined for area by authorized state personnel.

EXISTS IN FILE/TABLE										
PWSIF	SAF	VEF	PWS TABLE	EAF	REGS	OPER & MAIL	VIOLATIONS	METHODS	DEVIATIONS	MSIS HISTORY
X	x									

INPUT/OUTPUT TO SUBSYSTEMS								
PWSI	COMPLY	V & E	FEDR		ENFORCE	REGS	MAIL	SURVEY
	x					x		

EPA REPORTING: No

VALUES:

Temperature expressed in Fahrenheit. The range of values is between the lowest and the highest values as detailed in the federal regulations.

EDITS AND VALIDATIONS:

1. Must be numeric.
2. Must be between the lowest and highest values as detailed in the federal regulations.

COMMENTS:

Currently the value range is 53.7 to 90.5 (in degrees F).

MODEL STATE INFORMATION SYSTEM
DATA ELEMENT DESCRIPTION

DATE: 1/7/76 REVISION DATE __/__/__ REVISION NO. ____ PAGE __OF__

PREPARED BY: AMERICAN MANAGEMENT SYSTEMS, INC.

DATA ELEMENT CATALOG. REF. 087	DATA ELEMENT MNEMONIC MINIMUM-INDICATOR	DATA ELEMENT NAME MINIMUM DETECTABLE CONTAMINANT LEVEL

DESCRIPTION AND USE:
This data element used as indicator if an analysis result is the minimum level than can be measured by the analysis method used.

DATA TYPE: Numeric PICTURE: 9(1)	SUB FIELDS DESCRIPTION: NONE	STATUS RESERVED ☐ CURRENT ☒

SOURCE(S):
From sample analysis form, as coded by the person performing the analysis.

EXISTS IN FILE/TABLE											
PWSIF	SAF	VEF	PWS TABLE	EAF	REGS	OPER & MAIL	VIOLATIONS	METHODS	DEVIATIONS	MSIS HISTORY	
	x										

INPUT/OUTPUT TO SUBSYSTEMS								
PWSI	COMPLY	V & E	FEDR		ENFORCE	REGS	MAIL	SURVEY
	x							

EPA REPORTING No

VALUES:

Ø - No (on input, zero or blank)
1 - Yes

EDITS AND VALIDATIONS:

Must be blank or zero or 1.

COMMENTS:

NONE

MODEL STATE INFORMATION SYSTEM
DATA ELEMENT DESCRIPTION

DATE: 1/7/76 REVISION DATE 4/15/76 REVISION NO. 1 PAGE ___ OF ___

PREPARED BY: AMERICAN MANAGEMENT SYSTEMS, INC.

DATA ELEMENT CATALOG. REF.	DATA ELEMENT MNEMONIC	DATA ELEMENT NAME
088	VE-ID	VARIANCE OR EXEMPTION IDENTIFICATION

DESCRIPTION AND USE:

Number identifying a variance or exemption. Used as the main sort key of the VEF. This number will be assigned by the person who is responsible for maintaining the VEF. The VE-ID must be unique and may be assigned as a serial number.

DATA TYPE	SUB FIELDS DESCRIPTION	STATUS
Numeric	NONE	RESERVED [ ]
PICTURE: 9(5)		CURRENT [X]

SOURCE(S):

V & E input form

EXISTS IN FILE/TABLE											
PWSIF	SAF	VEF	PWS TABLE	EAF	REGS	OPER & MAIL	VIOLATIONS	METHODS	DEVIATIONS	MSIS HISTORY	
		x									

INPUT/OUTPUT TO SUBSYSTEMS								
PWSI	COMPLY	V & E	FEDR		ENFORCE	REGS	MAIL	SURVEY
		x	x					

EPA REPORTING: YES

VALUES:

A non-zero number

EDITS AND VALIDATIONS:

Must be numeric and non-zero

COMMENTS:

MODEL STATE INFORMATION SYSTEM
DATA ELEMENT DESCRIPTION

DATE: 1/7/76 REVISION DATE __/__/__ REVISION NO. ____ PAGE __OF__

PREPARED BY: AMERICAN MANAGEMENT SYSTEMS, INC.

DATA ELEMENT CATALOG. REF.	DATA ELEMENT MNEMONIC	DATA ELEMENT NAME
089	VE-ID-REF	VE-ID REFERENCE

DESCRIPTION AND USE:
Indicates if a variance or exemption is a modification or revision of a former V & E, whose ID number it contains.

DATA TYPE	SUB FIELDS DESCRIPTION	STATUS
Numeric		RESERVED [ ]
PICTURE: 9(5)	VE-ID	CURRENT [X]

SOURCE(S):
Input form

EXISTS IN FILE/TABLE										
PWSIF	SAF	VEF	PWS TABLE	EAF	REGS	OPER & MAIL	VIOLATIONS	METHODS	DEVIATIONS	MSIS HISTORY
		x					x			

INPUT/OUTPUT TO SUBSYSTEMS								
PWSI	COMPLY	V & E	FEDR		ENFORCE	REGS	MAIL	SURVEY
		x						

EPA REPORTING
No

VALUES:
A number

EDITS AND VALIDATIONS:
1. Must be numeric
2. Must be either a zero or if non-zero, it must have a corresponding VE-ID on the VEF.

COMMENTS:
NONE

MODEL STATE INFORMATION SYSTEM
DATA ELEMENT DESCRIPTION

DATE: 1/7/76 REVISION DATE __/__/__ REVISION NO. ____ PAGE __OF__

PREPARED BY: AMERICAN MANAGEMENT SYSTEMS, INC.

DATA ELEMENT CATALOG. REF.	DATA ELEMENT MNEMONIC	DATA ELEMENT NAME
090	VE-TYPE	VARIANCE OR EXEMPTION INDICATOR

DESCRIPTION AND USE:

A flag indicating if the V & E record is a variance or an exemption.

DATA TYPE	SUB FIELDS DESCRIPTION	STATUS
A/N	NONE	RESERVED [ ]
PICTURE: X(1)		CURRENT [X]

SOURCE(S):

Input form

EXISTS IN FILE/TABLE

PWSIF	SAF	VEF	PWS TABLE	EAF	REGS	OPER & MAIL	VIOLATIONS	METHODS	DEVIATIONS	MSIS HISTORY
		x								

INPUT/OUTPUT TO SUBSYSTEMS

PWSI	COMPLY	V & E	FEDR		ENFORCE	REGS	MAIL	SURVEY
		x	x					

EPA REPORTING: No

VALUES:

V - Variance
E - Exemption

EDITS AND VALIDATIONS:

Must be 'V' or 'E'

COMMENTS:

NONE

MODEL STATE INFORMATION SYSTEM
DATA ELEMENT DESCRIPTION

DATE: 1/7/76 REVISION DATE __/__/__ REVISION NO. ____ PAGE __OF__

PREPARED BY: AMERICAN MANAGEMENT SYSTEMS, INC.

DATA ELEMENT CATALOG. REF.	DATA ELEMENT MNEMONIC	DATA ELEMENT NAME
091	VE-STATUS	STATUS OF V & E

DESCRIPTION AND USE:

A flag indicating the status of a variance or an exemption. That is, the step in the issuing procedure.

DATA TYPE	SUB FIELDS DESCRIPTION:	STATUS
A/N	NONE	RESERVED [ ]
PICTURE: X(1)		CURRENT [X]

SOURCE(S):
Determined and updated by authorized state personnel. Reporting to the VEF via the V & E input forms.

EXISTS IN FILE/TABLE										
PWSIF	SAF	VEF	PWS TABLE	EAF	REGS	HPER & MAIL	VIOLATIONS	METHODS	DEVIATIONS	MSIS HISTORY
		x							x	

INPUT/OUTPUT TO SUBSYSTEMS									
PWSI	COMPLY	V & E	FEDR		ENFORCE	REGS	MAIL	SURVEY	
		x	x						

EPA REPORTING Yes

VALUES:

Will be determined during detailed system design.

EDITS AND VALIDATIONS:

Must be one of the values.

COMMENTS:

NONE

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE: 1/7/76 REVISION DATE __/__/__ REVISION NO. ____ PAGE __OF__

PREPARED BY: AMERICAN MANAGEMENT SYSTEMS, INC.

DATA ELEMENT CATALOG. REF.	DATA ELEMENT MNEMONIC	DATA ELEMENT NAME
092	MODIFIED-MCL	MODIFIED MCL

DESCRIPTION AND USE:
Indicates a modified MCL if the variance or exemption modified the MCL for a contaminant. Used in determining compliance.

DATA TYPE	SUB FIELDS DESCRIPTION	STATUS
Numeric	MCL	RESERVED [ ]
PICTURE: 9(6)		CURRENT [X]

SOURCE(S):
As determined by authorized state personnel.

EXISTS IN FILE/TABLE

PWSIF	SAF	VEF	PWS TABLE	EAF	REGS	OPER & MAIL	VIOLATIONS	METHODS	DEVIATIONS	MSIS HISTORY
x	x	x								

INPUT/OUTPUT TO SUBSYSTEMS

PWSI	COMPLY	V & E	FEDR		ENFORCE	REGS	MAIL	SURVEY
x	x	x	x					x

EPA REPORTING: No

VALUES:

As applied to MCL

EDITS AND VALIDATIONS:

As applied to MCL

COMMENTS:
When a MODIFIED-MCL value is changed, the new value must be reported to update the PWS record. If the V & E subsystem is computerized, it will automatically create an update transaction.

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE: 1/7/76 REVISION DATE 4/15/76 REVISION NO. 1 PAGE ___ OF ___

PREPARED BY: AMERICAN MANAGEMENT SYSTEMS, INC.

DATA ELEMENT CATALOG. REF.	DATA ELEMENT MNEMONIC	DATA ELEMENT NAME
093	TREATMENT	TREATMENT CODE

DESCRIPTION AND USE:
A code describing all available treatments. Indicates in a VEF record a treatment that a PWS is exempt from, or a special treatment that is allowed.

DATA TYPE	SUB FIELDS DESCRIPTION	STATUS
Numeric	NONE	RESERVED [ ]
PICTURE: 9(3)		CURRENT [X]

SOURCE(S):
Authorized state personnel.

EXISTS IN FILE/TABLE

PWSIF	SAF	VEF	PWS TABLE	EAF	REGS	OPER & MAIL	VIOLATIONS	METHODS	DEVIATIONS	MSIS HISTORY
		x							x	

INPUT/OUTPUT TO SUBSYSTEMS

PWSI	COMPLY	V & E	FEDR		ENFORCE	REGS	MAIL	SURVEY
		x	x					

EPA REPORTING: No

VALUES:

See Exhibit IV.4.

EDITS AND VALIDATIONS:

1. Must be numeric.
2. May be zero. (e.g., null value)
3. If non-zero, must be in treatments table.

COMMENTS:

NONE

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE: 1/7/76 REVISION DATE __/__/__ REVISION NO. ____ PAGE __OF__

PREPARED BY: AMERICAN MANAGEMENT SYSTEMS, INC.

DATA ELEMENT CATALOG. REF. 094	DATA ELEMENT MNEMONIC VE-ABSTRACT	DATA ELEMENT NAME V & E ABSTRACT

DESCRIPTION AND USE:
Up to 10 lines of 49 positions each are provided for a narrative describing the V&E.

DATA TYPE: A/N	SUB FIELDS DESCRIPTION:	STATUS
		RESERVED ☐
PICTURE: X(49) X 10	A 49 characters line occurs 10 times.	CURRENT ☒

SOURCE(S):
A summary of the nature of the V & E and the reasons for granting it, summarized from the letter of notification sent by the state to EPA.

EXISTS IN FILE/TABLE

PWSIF	SAF	VEF	PWS TABLE	EAF	REGS	OPER & MAIL	VIOLATIONS	METHODS	DEVIATIONS	MSIS HISTORY
		x								

INPUT/OUTPUT TO SUBSYSTEMS

PWSI	COMPLY	V & E	FEDR		ENFORCE	REGS	MAIL	SURVEY
		x						

EPA REPORTING: No

VALUES:

N/A

EDITS AND VALIDATIONS:

NONE

COMMENTS:

NONE

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE: 1/7/76 REVISION DATE __/__/__ REVISION NO. ____ PAGE __OF__

PREPARED BY: AMERICAN MANAGEMENT SYSTEMS, INC.

DATA ELEMENT CATALOG. REF.	DATA ELEMENT MNEMONIC	DATA ELEMENT NAME
Ø95	REASON	REASON FOR V & E

DESCRIPTION AND USE:

A code describing the reason for granting the variance or exemption.

DATA TYPE	SUB FIELDS DESCRIPTION	STATUS
A/N		RESERVED [ ]
PICTURE: X(2)	NONE	CURRENT [X]

SOURCE(S):
The reason code will be contained in a table. State officials will determine the code based on V & E documentation.

EXISTS IN FILE/TABLE

PWSIF	SAF	VEF	PWS TABLE	EAF	REGS	OPER & MAIL	VIOLATIONS	METHODS	DEVIATIONS	MSIS HISTORY
		x								

INPUT/OUTPUT TO SUBSYSTEMS

PWSI	COMPLY	V & E	FEDR		ENFORCE	REGS	MAIL	SURVEY
		x						

EPA REPORTING: No

VALUES:
A Reason-Code table will be developed during detailed system design.

EDITS AND VALIDATIONS:
Must be one of the values in the table.

COMMENTS:

NONE

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE: 1/7/76 REVISION DATE __/__/__ REVISION NO. ____ PAGE __OF__

PREPARED BY: AMERICAN MANAGEMENT SYSTEMS, INC.

DATA ELEMENT CATALOG. REF.	DATA ELEMENT MNEMONIC	DATA ELEMENT NAME
Ø96	MILESTONE-NUM	NUMBER OF MILESTONES

DESCRIPTION AND USE:
Up to 20 milestones may be included in a V & E record and up to 15 in an enforcement action record. The number of milestones is used by COBOL for controlling variable length records.

DATA TYPE	SUB FIELDS DESCRIPTION	STATUS
Numeric	NONE	RESERVED ☐
PICTURE: 9(2)		CURRENT ☒

SOURCE(S):
Generated internally

EXISTS IN FILE/TABLE											
PWSIF	SAF	VEF	PWS TABLE	EAF	REGS	OPER & MAIL	VIOLATIONS	METHODS	DEVIATIONS	MSIS HISTORY	
		x		x							

INPUT/OUTPUT TO SUBSYSTEMS									
PWSI	COMPLY	V & E	FEDR		ENFORCE	REGS	MAIL	SURVEY	
		x			x				

EPA REPORTING
No

VALUES:

Ø to 20 in a V & E record
Ø to 15 in an enforcement-action record

EDITS AND VALIDATIONS:

NONE

COMMENTS:
When value is zero if means that a compliance schedule is not attached to the V & E, or no milestones attached to an enforcement action.

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE: 1/7/76 REVISION DATE __/__/__ REVISION NO. ____ PAGE __OF__

PREPARED BY: AMERICAN MANAGEMENT SYSTEMS, INC.

DATA ELEMENT CATALOG. REF.	DATA ELEMENT MNEMONIC	DATA ELEMENT NAME
097	TARGET-DATE	MILESTONE TARGET DATE

DESCRIPTION AND USE:

Date on which a completion of one milestone is to be completed. Milestones are sorted internally in the order of target dates.

DATA TYPE: Numeric

PICTURE: 9(5)

SUB FIELDS DESCRIPTION:

On input: MMDDYY
On file: YYnnn (Julian format)

STATUS
RESERVED [ ]
CURRENT [X]

SOURCE(S):

Authorized state personnel

EXISTS IN FILE/TABLE

PWSIF	SAF	VEF	PWS TABLE	EAF	REGS	OPER & MAIL	VIOLATIONS	METHODS	DEVIATIONS	MSIS HISTORY
		x		x					x	

INPUT/OUTPUT TO SUBSYSTEMS

PWSI	COMPLY	V & E	FEDR		ENFORCE	REGS	MAIL	SURVEY
		x	x		x			

EPA REPORTING
No

VALUES:

A valid date, not earlier than 1977.

EDITS AND VALIDATIONS:

1. Must be numeric.
2. Must be not earlier than 1977.

COMMENTS:

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE: 1/7/76 REVISION DATE __/__/__ REVISION NO. ____ PAGE __OF__

PREPARED BY: AMERICAN MANAGEMENT SYSTEMS, INC.

DATA ELEMENT CATALOG. REF.	DATA ELEMENT MNEMONIC	DATA ELEMENT NAME
098	ACTUAL-DATE	DATE MILESTONE COMPLETED

DESCRIPTION AND USE:

The actual date on which a milestone was completed.

DATA TYPE	SUB FIELDS DESCRIPTION	STATUS
Numeric	On input: MMDDYY	RESERVED ☐
PICTURE: 9(5)	On files: YYnnn (Julian format)	CURRENT ☒

SOURCE(S):

Authorized state personnel

EXISTS IN FILE/TABLE

PWSIF	SAF	VEF	PWS TABLE	EAF	REGS	OPER & MAIL	VIOLATIONS	METHODS	DEVIATIONS	MSIS HISTORY
		x		x						

INPUT/OUTPUT TO SUBSYSTEMS

PWSI	COMPLY	V & E	FEDR		ENFORCE	REGS	MAIL	SURVEY
		x			x			

EPA REPORTING: No

VALUES:

A valid date not earlier than 1977.

EDITS AND VALIDATIONS:

1. Must be numeric.
2. Must be a valid date.
3. Must be not earlier than 1977.

COMMENTS:

NONE

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE: 1/7/76 REVISION DATE __/__/__ REVISION NO. ____ PAGE __OF__

PREPARED BY: AMERICAN MANAGEMENT SYSTEMS, INC.

DATA ELEMENT CATALOG. REF.	DATA ELEMENT MNEMONIC	DATA ELEMENT NAME
099	MILESTONE-CODE	MILESTONE CODE

DESCRIPTION AND USE:
Code describing the milestone to be reached.

DATA TYPE	SUB FIELDS DESCRIPTION	STATUS
A/N		RESERVED [ ]
PICTURE: X(1)	NONE	CURRENT [X]

SOURCE(S):
Input clerk determines based on milestone description and milestone code tables.

EXISTS IN FILE/TABLE

PWSIF	SAF	VEF	PWS TABLE	EAF	REGS	OPER & MAIL	VIOLATIONS	METHODS	DEVIATIONS	MSIS HISTORY
		x		x					x	

INPUT/OUTPUT TO SUBSYSTEMS

PWSI	COMPLY	V & E	FEDR		ENFORCE	REGS	MAIL	SURVEY
		x	x		x			

EPA REPORTING
No

--VALUES:
There will be two milestone code tables, one applicable to the V & E subsystem and the other applicable to the Enforcement actions table.

EDITS AND VALIDATIONS:

Must be included in the applicable table.

COMMENTS:

Two basic tables will be developed during detailed system design. A state will be able to modify each table.

MODEL STATE INFORMATION SYSTEM
DATA ELEMENT DESCRIPTION

DATE: 1/7/76 REVISION DATE __/__/__ REVISION NO. ____ PAGE __OF__

PREPARED BY: AMERICAN MANAGEMENT SYSTEMS, INC.

DATA ELEMENT CATALOG. REF. 100	DATA ELEMENT MNEMONIC DELAY-CODE	DATA ELEMENT NAME REASON FOR DELAY

DESCRIPTION AND USE:

A code describing the reason for delay in completing a compliance schedule milestone on target date.

DATA TYPE: A/N PICTURE: X(1)	SUB FIELDS DESCRIPTION: NONE	STATUS RESERVED ☐ CURRENT ☒

SOURCE(S):
Determined by personnel in charge of monitoring V & E compliance schedule.

EXISTS IN FILE/TABLE

PWSIF	SAF	VEF	PWS TABLE	EAF	REGS	OPER & MAIL	VIOLATIONS	METHODS	DEVIATIONS	MSIS HISTORY
		x								

INPUT/OUTPUT TO SUBSYSTEMS

PWSI	COMPLY	V & E	FEDR		ENFORCE	REGS	MAIL	SURVEY
		x						

EPA REPORTING
No

VALUES:

A table will be developed during detailed system design.

EDITS AND VALIDATIONS:

Must be in table.

COMMENTS:

A state may modify the code table.

MODEL STATE INFORMATION SYSTEM
DATA ELEMENT DESCRIPTION

DATE: 1/7/76 REVISION DATE __/__/__ REVISION NO. ____ PAGE __OF__

PREPARED BY: AMERICAN MANAGEMENT SYSTEMS, INC.

DATA ELEMENT CATALOG. REF. 101	DATA ELEMENT MNEMONIC ABSTRACT	DATA ELEMENT NAME V & E MILESTONE ABSTRACT

DESCRIPTION AND USE:
A narrative describing a V & E compliance schedule milestone.

DATA TYPE: A/N PICTURE: X(49)	SUB FIELDS DESCRIPTION: Occurs 3 Times	STATUS RESERVED ☐ CURRENT ☒

SOURCE(S):
Determined by input clerk based on the compliance schedule attached to a V & E.

EXISTS IN FILE/TABLE										
PWSIF	SAF	VEF	PWS TABLE	EAF	REGS	OPER & MAIL	VIOLATIONS	METHODS	DEVIATIONS	MSIS HISTORY
		x								

INPUT/OUTPUT TO SUBSYSTEMS								
PWSI	COMPLY	V & E	FEDR		ENFORCE	REGS	MAIL	SURVEY
		x						

EPA REPORTING
No

VALUES:

NONE

EDITS AND VALIDATIONS:

NONE

COMMENTS:

NONE

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE: 1/7/76 REVISION DATE __/__/__ REVISION NO. ____ PAGE __OF__

PREPARED BY: AMERICAN MANAGEMENT SYSTEMS, INC.

DATA ELEMENT CATALOG. REF.	DATA ELEMENT MNEMONIC	DATA ELEMENT NAME
102	LAB-NAME	NAME OF LABORATORY

DESCRIPTION AND USE:

The name by which the laboratory is known.

DATA TYPE	SUB FIELDS DESCRIPTION:	STATUS
A/N	NONE	RESERVED ☐
PICTURE: X(30)		CURRENT ☒

SOURCE(S):

As reported by the laboratory

EXISTS IN FILE/TABLE

PWSIF	SAF	VEF	PWS TABLE	EAF	REGS	OPER & MAIL	VIOLATIONS	METHODS	DEVIATIONS	MSIS HISTORY
			x							

INPUT/OUTPUT TO SUBSYSTEMS

PWSI	COMPLY	V & E	FEDR		ENFORCE	REGS	MAIL	SURVEY

EPA REPORTING: No

VALUES:

N/A

EDITS AND VALIDATIONS:

NONE

COMMENTS:

NONE

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE: 1/7/76 REVISION DATE 4/15/76 REVISION NO. 1 PAGE ___ OF ___

PREPARED BY: AMERICAN MANAGEMENT SYSTEMS, INC.

DATA ELEMENT CATALOG. REF.	DATA ELEMENT MNEMONIC	DATA ELEMENT NAME
103	SELLER-ID	WATER SELLER PWS ID

DESCRIPTION AND USE:

PWS-ID of the seller of water to a consecutive PWS. If there are more than one seller, the identification of the largest is used.

DATA TYPE	SUB FIELDS DESCRIPTION	STATUS
Numeric	007 - PWS-ID	RESERVED [ ]
PICTURE: 9(7)		CURRENT [X]

SOURCE(S):

PWS permit documents

EXISTS IN FILE/TABLE												
PWSIF	SAF	VEF	PWS TABLE	EAF	REGS	OPER & MAIL	VIOLATIONS	METHODS	DEVIATIONS	MSIS HISTORY
X												

INPUT/OUTPUT TO SUBSYSTEMS									
PWSI	COMPLY	V & E	FEDR		ENFORCE	REGS	MAIL	SURVEY
X									

EPA REPORTING YES

VALUES:

As applied to PWS-ID.

EDITS AND VALIDATIONS:

As applied to PWS-ID.

COMMENTS:

None.

MODEL STATE INFORMATION SYSTEM
DATA ELEMENT DESCRIPTION

DATE: 1/7/76 REVISION DATE 4/15/76 REVISION NO. 1 PAGE ___OF___

PREPARED BY: AMERICAN MANAGEMENT SYSTEMS, INC.

DATA ELEMENT CATALOG. REF. 104	DATA ELEMENT MNEMONIC CITY	DATA ELEMENT NAME CITY

DESCRIPTION AND USE:

Name of the city (or community) which is serviced by a PWS.

DATA TYPE: A/N PICTURE: X(15)	SUB FIELDS DESCRIPTION: None	STATUS RESERVED ☐ CURRENT ☒

SOURCE(S):

PWS permit documentation.

EXISTS IN FILE/TABLE

PWSIF	SAF	VEF	PWS TABLE	EAF	REGS	OPER & MAIL	VIOLATIONS	METHODS	DEVIATIONS	MSIS HISTORY
X										

INPUT/OUTPUT TO SUBSYSTEMS

PWSI	COMPLY	V & E	FEDR		ENFORCE	REGS	MAIL	SURVEY
X								

EPA REPORTING NO

VALUES:

Any character string.

EDITS AND VALIDATIONS:

None.

COMMENTS:

None.

MODEL STATE INFORMATION SYSTEM
DATA ELEMENT DESCRIPTION

DATE: 1/12/76 REVISION DATE 4/15/76 REVISION NO. 1 PAGE ___OF___

PREPARED BY: AMERICAN MANAGEMENT SYSTEMS, INC.

DATA ELEMENT CATALOG. REF.105	DATA ELEMENT MNEMONIC COUNTY	DATA ELEMENT NAME COUNTY CODE

DESCRIPTION AND USE:
Code of the county in which the service area of a PWS is located.

DATA TYPE: Numeric PICTURE: 9(3)	SUB FIELDS DESCRIPTION: NONE	STATUS RESERVED ☐ CURRENT ☒

SOURCE(S):
Determined by input clerk from PWS permit documents.

EXISTS IN FILE/TABLE

PWSIF	SAF	VEF	PWS TABLE	EAF	REGS	OPER & MAIL	VIOLATIONS	METHODS	DEVIATIONS	MSIS HISTORY
X										

INPUT/OUTPUT TO SUBSYSTEMS

PWSI	COMPLY	V & E	FEDR		ENFORCE	REGS	MAIL	SURVEY
X								

EPA REPORTING: No

VALUES:
As defined in STORET county code table.

EDITS AND VALIDATIONS:
Must be present in county code table.

COMMENTS:
None.

MODEL STATE INFORMATION SYSTEM
DATA ELEMENT DESCRIPTION

DATE: 4 / 15 / 76 REVISION DATE __/__/__ REVISION NO. ____ PAGE __OF__

PREPARED BY: AMERICAN MANAGEMENT SYSTEMS, INC.

DATA ELEMENT CATALOG. REF. 106	DATA ELEMENT MNEMONIC INDIAN-RESERVATION	DATA ELEMENT NAME INDIAN RESERVATION CODE

DESCRIPTION AND USE:

Code identifying that a PWS is located on an Indian reservation and therefore monitored by either EPA or the state, depending on legal considerations.

DATA TYPE: Numeric PICTURE: 9(3)	SUB FIELDS DESCRIPTION: NONE	STATUS RESERVED ☐ CURRENT ☒

SOURCE(S):

PWS permit documents and a code table.

EXISTS IN FILE/TABLE

PWSIF	SAF	VEF	PWS TABLE	EAF	REGS	OPER & MAIL	VIOLATIONS	METHODS	DEVIATIONS	MSIS HISTORY
X										

INPUT/OUTPUT TO SUBSYSTEMS

PWSI	COMPLY	V & E	FEDR		ENFORCE	REGS	MAIL	SURVEY
X								

EPA REPORTING: Yes

VALUES:

As detailed in the Standard Code Book of the Indian Health Service, Section XIV.

EDITS AND VALIDATIONS:

Must be zero or included in the table.

COMMENTS:

None.

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE: 1/7/76 REVISION DATE 4/15/76 REVISION NO. 1 PAGE ___OF___

PREPARED BY: AMERICAN MANAGEMENT SYSTEMS, INC.

DATA ELEMENT CATALOG. REF. 107	DATA ELEMENT MNEMONIC INTERSTATE-CARRIER	DATA ELEMENT NAME INTERSTATE CARRIER FLAG

DESCRIPTION AND USE:

A flag indicating if a PWS supplies water to an Interstate Carrier conveyances.

DATA TYPE: Numeric PICTURE: 9(1)	SUB FIELDS DESCRIPTION: NONE	STATUS RESERVED ☐ CURRENT ☒

SOURCE(S):

EXISTS IN FILE/TABLE

PWSIF	SAF	VEF	PWS TABLE	EAF	REGS	OPER & MAIL	VIOLATIONS	METHODS	DEVIATIONS	MSIS HISTORY
X										

INPUT/OUTPUT TO SUBSYSTEMS

PWSI	COMPLY	V & E	FEDR		ENFORCE	REGS	MAIL	SURVEY
X								

EPA REPORTING
Yes

VALUES:

0 - No
1 - Yes

EDITS AND VALIDATIONS:

Must be 0 or 1.

COMMENTS:

None.

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE: 1/7/76 REVISION DATE 4/15/76 REVISION NO. 1 PAGE ___ OF ___

PREPARED BY: AMERICAN MANAGEMENT SYSTEMS, INC.

DATA ELEMENT CATALOG. REF. 108	DATA ELEMENT MNEMONIC SELLER-WATER	DATA ELEMENT NAME WATER TYPE OF SELLER

DESCRIPTION AND USE:

A flag showing, for a consecutive PWS, whether the water it is purchasing is ground or surface.

DATA TYPE: A/N PICTURE: X(1)	SUB FIELDS DESCRIPTION: NONE	STATUS RESERVED ☐ CURRENT ☒

SOURCE(S):

PWS permit documents.

EXISTS IN FILE/TABLE

PWSIF	SAF	VEF	PWS TABLE	EAF	REGS	OPER & MAIL	VIOLATIONS	METHODS	DEVIATIONS	MSIS HISTORY
X										

INPUT/OUTPUT TO SUBSYSTEMS

PWSI	COMPLY	V & E	FEDR		ENFORCE	REGS	MAIL	SURVEY
X								

EPA REPORTING Yes

VALUES:

S-Surface
G-Ground
SPACE-No value (for a non-consecutive PWS)

EDITS AND VALIDATIONS:

Must exist if the PWS is consecutive.

COMMENTS:

None.

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE: 1/7/76 REVISION DATE 4/15/76 REVISION NO. : PAGE OF

PREPARED BY: AMERICAN MANAGEMENT SYSTEMS, INC.

DATA ELEMENT CATALOG. REF.	DATA ELEMENT MNEMONIC	DATA ELEMENT NAME
109	BEGIN-DATE	DATE PWS BEGUN OPERATION

DESCRIPTION AND USE:
Date on which the PWS begun (or about to begin) operations.

DATA TYPE	SUB FIELDS DESCRIPTION	STATUS
Numeric	Month and year MMYY	RESERVED ☐
PICTURE: 9(4)		CURRENT ☒

SOURCE(S):
PWS permit documents.

EXISTS IN FILE/TABLE

PWSIF	SAF	VEF	PWS TABLE	EAF	REGS	OPER & MAIL	VIOLATIONS	METHODS	DEVIATIONS	MSIS HISTORY
X										

INPUT/OUTPUT TO SUBSYSTEMS

PWSI	COMPLY	V & E	FEDR		ENFORCE	REGS	MAIL	SURVEY
X								

EPA REPORTING
Yes

VALUES:
A valid month and year.

EDITS AND VALIDATIONS:
A valid month and year.

COMMENTS:
None.

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE: 1/7/76 REVISION DATE __/__/__ REVISION NO. ____ PAGE __OF__

PREPARED BY: AMERICAN MANAGEMENT SYSTEMS, INC.

DATA ELEMENT CATALOG. REF. 110	DATA ELEMENT MNEMONIC CONTAMINANT-GROUP	DATA ELEMENT NAME CONTAMINANT GROUP

DESCRIPTION AND USE:
A code describing the contaminant group. The first digit of contaminant-id.

DATA TYPE: Numeric PICTURE: 9(1)	SUB FIELDS DESCRIPTION: NONE	STATUS RESERVED ☐ CURRENT ☒

SOURCE(S):

Laboratory certification documents.

EXISTS IN FILE/TABLE

PWSIF	SAF	VEF	PWS TABLE	EAF	REGS	OPER & MAIL	VIOLATIONS	METHODS	DEVIATIONS	MSIS HISTORY
x	x	x	x	x	x			x		

INPUT/OUTPUT TO SUBSYSTEMS

PWSI	COMPLY	V & E	FEDR		ENFORCE	REGS	MAIL	SURVEY
x	x	x	x		x	x		

EPA REPORTING No

VALUES:

0 - Not grouped
1 - Inorganic chemicals
2 - Organic chemicals
3 - Microbiological
4 - Radioactive
9 - Unknown (others)

EDITS AND VALIDATIONS:

Must be numeric and has one of the above values.

COMMENTS:
Not in accordance with STORET parameter codes. See comments for CONTAMINANT-ID.

MODEL STATE INFORMATION SYSTEM
DATA ELEMENT DESCRIPTION

DATE: 1/7/76 REVISION DATE 4/15/76 REVISION NO. 1 PAGE ___ OF ___

PREPARED BY: AMERICAN MANAGEMENT SYSTEMS, INC.

DATA ELEMENT CATALOG. REF. 111	DATA ELEMENT MNEMONIC MANUAL-FILE	DATA ELEMENT NAME REFERENCE TO MANUAL FILES

DESCRIPTION AND USE:

A reference to one or two manual files such as the correspondence file or the permit file. A PWS status printout may be filed in a manual file.

DATA TYPE: A/N	SUB FIELDS DESCRIPTION:	STATUS
PICTURE: X(12)	NONE	RESERVED ☐ CURRENT ☒

SOURCE(S):

Water supply unit filing system.

EXISTS IN FILE/TABLE

PWSIF	SAF	VEF	PWS TABLE	EAF	REGS	OPER & MAIL	VIOLATIONS	METHODS	DEVIATIONS	MSIS HISTORY
X										

INPUT/OUTPUT TO SUBSYSTEMS

PWSI	COMPLY	V & E	FEDR		ENFORCE	REGS	MAIL	SURVEY
X								

EPA REPORTING No

VALUES:

Any value.

EDITS AND VALIDATIONS:

Not checked.

COMMENTS:

None

MODEL STATE INFORMATION SYSTEM
DATA ELEMENT DESCRIPTION

DATE: 1/7/76 REVISION DATE 4/15/76 REVISION NO. 1 PAGE ___OF___

PREPARED BY: AMERICAN MANAGEMENT SYSTEMS, INC.

DATA ELEMENT CATALOG. REF. 112	DATA ELEMENT MNEMONIC REPORTING-FLAG	DATA ELEMENT NAME REPORTING MODE FLAG

DESCRIPTION AND USE:

A flag describing PWS reporting made for bacteriological and turbidity monitoring.

DATA TYPE: A/N PICTURE: X(1)	SUB FIELDS DESCRIPTION: NONE	STATUS RESERVED ☐ CURRENT ☒

SOURCE(S):

As determined for a PWS.

EXISTS IN FILE/TABLE

PWSIF	SAF	VEF	PWS TABLE	EAF	REGS	OPER & MAIL	VIOLATIONS	METHODS	DEVIATIONS	MSIS HISTORY
X										

INPUT/OUTPUT TO SUBSYSTEMS

PWSI	COMPLY	V & E	FEDR		ENFORCE	REGS	MAIL	SURVEY
X	X							

EPA REPORTING Yes

VALUES:

SPACE _ No value
L - Reporting single samples on a list
S - Reporting monthly summary
I - Reporting on individual sample form (bacteriological only)

EDITS AND VALIDATIONS:

Must be space, L, S, or I (I is valid only for bacteriological samples).

COMMENTS:

MODEL STATE INFORMATION SYSTEM
DATA ELEMENT DESCRIPTION

DATE: 1/7/76 REVISION DATE __/__/__ REVISION NO. ____ PAGE __OF__

PREPARED BY: AMERICAN MANAGEMENT SYSTEMS, INC.

DATA ELEMENT CATALOG. REF.	DATA ELEMENT MNEMONIC	DATA ELEMENT NAME
113	CASE-ID	ENFORCEMENT ACTION CASE IDENTIFICATION

DESCRIPTION AND USE:
Enforcement action identification for the purpose of file management. This is the sort key of the EAF.

DATA TYPE	SUB FIELDS DESCRIPTION	STATUS
Numeric	NONE	RESERVED [ ]
PICTURE: 9(5)		CURRENT [X]

SOURCE(S):
Assigned by input clerk at record creation time.

EXISTS IN FILE/TABLE											
PWSIF	SAF	VEF	PWS TABLE	EAF	REGS	OPER & MAIL	VIOLATIONS	METHODS	DEVIATIONS	MSIS HISTORY
				x						

INPUT/OUTPUT TO SUBSYSTEMS									
PWSI	COMPLY	V & E	FEDR		ENFORCE	REGS	MAIL	SURVEY
					x			

EPA REPORTING: No

VALUES:

A non-zero number

EDITS AND VALIDATIONS:

Must be numeric and non-zero

COMMENTS:

NONE

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE: 1/7/76 REVISION DATE __/__/__ REVISION NO. ____ PAGE __OF__

PREPARED BY: AMERICAN MANAGEMENT SYSTEMS, INC.

DATA ELEMENT CATALOG. REF. 114	DATA ELEMENT MNEMONIC CASE-REFERENCE	DATA ELEMENT NAME LEGAL CASE IDENTIFICATION

DESCRIPTION AND USE:
Legal identification of an enforcement action case: letter number and date, file number, etc. Used to identify an enforcement action.

DATA TYPE: A/N PICTURE: X(12)	SUB FIELDS DESCRIPTION: NONE	STATUS RESERVED ☐ CURRENT ☒

SOURCE(S):
Enforcement action documentation

EXISTS IN FILE/TABLE

PWSIF	SAF	VEF	PWS TABLE	EAF	REGS	OPER & MAIL	VIOLATIONS	METHODS	DEVIATIONS	MSIS HISTORY
				x						

INPUT/OUTPUT TO SUBSYSTEMS

PWSI	COMPLY	V & E	FEDR		ENFORCE	REGS	MAIL	SURVEY
					x			

EPA REPORTING No

VALUES:
No predetermined values

EDITS AND VALIDATIONS:
NONE

COMMENTS:
A state may define values, edits and validations to suit its filing system.

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE: 1/7/76 REVISION DATE __/__/__ REVISION NO. ____ PAGE __OF__

PREPARED BY: AMERICAN MANAGEMENT SYSTEMS, INC.

DATA ELEMENT CATALOG. REF. 115	DATA ELEMENT MNEMONIC CASE-NAME	DATA ELEMENT NAME NAME OF CASE

DESCRIPTION AND USE:

An additional identifier for an enforcement action case, when a legal reference is not enough.

DATA TYPE: A/N PICTURE: X(30)	SUB FIELDS DESCRIPTION: NONE	STATUS RESERVED ☐ CURRENT ☒

SOURCE(S):

Enforcement Action documentation

EXISTS IN FILE/TABLE											
PWSIF	SAF	VEF	PWS TABLE	EAF	REGS	OPER & MAIL	VIOLATIONS	METHODS	DEVIATIONS	MSIS HISTORY
				x						

INPUT/OUTPUT TO SUBSYSTEMS								
PWSI	COMPLY	V & E	FEDR		ENFORCE	REGS	MAIL	SURVEY
					x			

EPA REPORTING No

VALUES:

NONE

EDITS AND VALIDATIONS:

NONE

COMMENTS:

NONE

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE: 1/7/76 REVISION DATE __/__/__ REVISION NO. ____ PAGE __OF__

PREPARED BY: AMERICAN MANAGEMENT SYSTEMS, INC.

DATA ELEMENT CATALOG. REF.	DATA ELEMENT MNEMONIC	DATA ELEMENT NAME
116	ACTION-DATE	ACTION DATE

DESCRIPTION AND USE:

Date on which the enforcement action was initiated.

DATA TYPE	SUB FIELDS DESCRIPTION	STATUS
Numeric	On input: MMDDYY	RESERVED ☐
PICTURE: 9(6), 9(5)	On file: YYnnn (Julian format)	CURRENT ☒

SOURCE(S):

From enforcement action documentation

EXISTS IN FILE/TABLE

PWSIF	SAF	VEF	PWS TABLE	EAF	REGS	OPER & MAIL	VIOLATIONS	METHODS	DEVIATIONS	MSIS HISTORY
				x						

INPUT/OUTPUT TO SUBSYSTEMS

PWSI	COMPLY	V & E	FEDR		ENFORCE	REGS	MAIL	SURVEY
					x			

EPA REPORTING No

VALUES:

A date not earlier than 1977.

EDITS AND VALIDATIONS:

1. Must be numeric.
2. Must be a valid date.
3. Must not be earlier than 1977.

COMMENTS:

NONE

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE: 1/7/76 REVISION DATE __/__/__ REVISION NO. ____ PAGE __OF__

PREPARED BY: AMERICAN MANAGEMENT SYSTEMS, INC.

DATA ELEMENT CATALOG. REF.	DATA ELEMENT MNEMONIC	DATA ELEMENT NAME
117	CLOSE-INDICATOR	CASE STATUS INDICATOR

DESCRIPTION AND USE:
A flag indicating whether the case is open (active) or closed (inactive).

DATA TYPE	SUB FIELDS DESCRIPTION:	STATUS
Numeric		RESERVED [ ]
PICTURE: 9(1)	NONE	CURRENT [X]

SOURCE(S): Enforcement action monitoring personnel

EXISTS IN FILE/TABLE										
PWSIF	SAF	VLF	PWS TABLE	EAF	REGS	OPER & MAIL	VIOLATIONS	METHODS	DEVIATIONS	MSIS HISTORY
				x						

INPUT/OUTPUT TO SUBSYSTEMS								
PWSI	COMPLY	V & E	FEDR		ENFORCE	REGS	MAIL	SURVEY
					x			

EPA REPORTING: No

VALUES:

Ø - case open
1 - case closed

EDITS AND VALIDATIONS:

1. Must be numeric.
2. Must have the value 'Ø' or '1'.

COMMENTS:

NONE

MODEL STATE INFORMATION SYSTEM
DATA ELEMENT DESCRIPTION

DATE: 1/7/76 REVISION DATE __/__/__ REVISION NO. ____ PAGE __OF__

PREPARED BY: AMERICAN MANAGEMENT SYSTEMS, INC.

DATA ELEMENT CATALOG. REF.	DATA ELEMENT MNEMONIC	DATA ELEMENT NAME
118	PARTY-TYPE	ENFORCEMENT ACTION PARTY TYPE

DESCRIPTION AND USE:
Code describing the type of party in an enforcement action case.

DATA TYPE	SUB FIELDS DESCRIPTION:	STATUS
A/N	NONE	RESERVED [ ]
PICTURE: X(1)		CURRENT [X]

SOURCE(S):
Determined by input clerk according to plaintiff and defendent.

EXISTS IN FILE/TABLE

PWSIF	SAF	VEF	PWS TABLE	EAF	REGS	OPER & MAIL	VIOLATIONS	METHODS	DEVIATIONS	MSIS HISTORY
				x						

INPUT/OUTPUT TO SUBSYSTEMS

PWSI	COMPLY	V & E	FEDR		ENFORCE	REGS	MAIL	SURVEY
					x			

EPA REPORTING No

VALUES:

A table code will be defined during detailed system design. Party type may be - PWS owner, State, EPA, Minicipality, Private citizen, etc.

EDITS AND VALIDATIONS:

Input value must be in table.

COMMENTS:

NONE

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE: 1/7/76 REVISION DATE 4/15/76 REVISION NO. 1 PAGE ___ OF ___

PREPARED BY: AMERICAN MANAGEMENT SYSTEMS, INC.

DATA ELEMENT CATALOG. REF.	DATA ELEMENT MNEMONIC	DATA ELEMENT NAME
119	CAPTIVE-FLAG	CAPTIVE LABORATORY FLAG

DESCRIPTION AND USE:

A flag indicating if a laboratory used by a PWS is a captive laboratory; that is, the laboratory belongs to the PWS.

DATA TYPE	SUB FIELDS DESCRIPTION	STATUS
A/N	None	RESERVED [ ]
PICTURE: 9(1)		CURRENT [X]

SOURCE(S):

PWS permit documents

EXISTS IN FILE/TABLE											
PWSIF	SAF	VEF	PWS TABLE	EAF	REGS	OPER & MAIL	VIOLATIONS	METHODS	DEVIATIONS	MSIS HISTORY
X											

INPUT/OUTPUT TO SUBSYSTEMS									
PWSI	COMPLY	V & E	FEDR		ENFORCE	REGS	MAIL	SURVEY
X									

EPA REPORTING Yes

VALUES:

Ø - No
1 - Yes

EDITS AND VALIDATIONS:

Must be Ø or 1.

COMMENTS:

None

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE: 1/7/76 REVISION DATE __/__/__ REVISION NO. ____ PAGE __OF__

PREPARED BY: AMERICAN MANAGEMENT SYSTEMS, INC.

DATA ELEMENT CATALOG. REF.	DATA ELEMENT MNEMONIC	DATA ELEMENT NAME
120	PLAINTIFF-INFO	PLAINTIFF INFORMATION

DESCRIPTION AND USE:

Information about the plaintiff in an enforcement action case.

DATA TYPE: Group

PICTURE: N/A

SUB FIELDS DESCRIPTION:
PARTY-TYPE, NAME, ADDRESS-LINE-1, ADDRESS-LINE-2, STATE, ZIP, PHONE, LAWYER

STATUS
RESERVED ☐
CURRENT ☒

SOURCE(S):

EXISTS IN FILE/TABLE

PWSIF	SAF	VEF	PWS TABLE	EAF	REGS	OPER & MAIL	VIOLATIONS	METHODS	DEVIATIONS	MSIS HISTORY
				X						

INPUT/OUTPUT TO SUBSYSTEMS

PWSI	COMPLY	V & E	FEDR		ENFORCE	REGS	MAIL	SURVEY
					X			

EPA REPORTING NA

VALUES:

As applicable to subfields

EDITS AND VALIDATIONS:

As applicable to subfields

COMMENTS:

As applicable to subfields

MODEL STATE INFORMATION SYSTEM
DATA ELEMENT DESCRIPTION

DATE: 1/7/76 REVISION DATE __/__/__ REVISION NO. ____ PAGE __OF__

PREPARED BY: AMERICAN MANAGEMENT SYSTEMS, INC.

DATA ELEMENT CATALOG. REF. 121	DATA ELEMENT MNEMONIC DEFENDANT-INFO	DATA ELEMENT NAME DEFENDANT INFORMATION

DESCRIPTION AND USE:

Information about the defendant in an enforcement action case.

DATA TYPE: Group

PICTURE: NA

SUB FIELDS DESCRIPTION:

PARTY-TYPE, NAME, ADDRESS-LINE-1, ADDRESS-LINE-2, STATE, ZIP, PHONE, LAWYER.

STATUS
RESERVED ☐
CURRENT ☐

SOURCE(S): Case documents

EXISTS IN FILE/TABLE

PWSIF	SAF	VEF	PWS TABLE	EAF	REGS	OPER & MAIL	VIOLATIONS	METHODS	DEVIATIONS	MSIS HISTORY
				X						

INPUT/OUTPUT TO SUBSYSTEMS

PWSI	COMPLY	V & E	FEDR		ENFORCE	REGS	MAIL	SURVEY
					X			

EPA REPORTING No

VALUES:

As applied to subfields

EDITS AND VALIDATIONS:

As applied to subfields

COMMENTS:

As applied to subfields

MODEL STATE INFORMATION SYSTEM
DATA ELEMENT DESCRIPTION

DATE: 1/7/76 REVISION DATE __/__/__ REVISION NO. ____ PAGE __OF__

PREPARED BY: AMERICAN MANAGEMENT SYSTEMS, INC.

DATA ELEMENT CATALOG. REF.	DATA ELEMENT MNEMONIC	DATA ELEMENT NAME
122	NAME	NAME

DESCRIPTION AND USE:

Name of a person connected to an enforcement action or a name of an addressee.

DATA TYPE	SUB FIELDS DESCRIPTION:	STATUS
A/N	None	RESERVED [ ]
PICTURE: X(30)		CURRENT [X]

SOURCE(S):

Applicable documents

EXISTS IN FILE/TABLE											
PWSIF	SAF	VEF	PWS TABLE	EAF	REGS	OPER & MAIL	VIOLATIONS	METHODS	DEVIATIONS	MSIS HISTORY
				X		X				

INPUT/OUTPUT TO SUBSYSTEMS								
PWSI	COMPLY	V & E	FEDR		ENFORCE	REGS	MAIL	SURVEY
					X		X	

EPA REPORTING: No

VALUES:

N/A

EDITS AND VALIDATIONS:

N/A

COMMENTS:

N/A

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE: 1/7/76 REVISION DATE __/__/__ REVISION NO. ____ PAGE __OF__

PREPARED BY: AMERICAN MANAGEMENT SYSTEMS, INC.

DATA ELEMENT CATALOG. REF.	DATA ELEMENT MNEMONIC	DATA ELEMENT NAME
123	PHONE	TELEPHONE NUMBER

DESCRIPTION AND USE:

Telephone number of a person connected with MSIS

DATA TYPE:	SUB FIELDS DESCRIPTION:	STATUS
Group	AREA-CODE PHONE-NUM	RESERVED [ ] CURRENT [X]
PICTURE: N/A		

SOURCE(S):

EXISTS IN FILE/TABLE

PWSIF	SAF	VEF	PWS TABLE	EAF	REGS	OPER & MAIL	VIOLATIONS	METHODS	DEVIATIONS	MSIS HISTORY
				X						

INPUT/OUTPUT TO SUBSYSTEMS

PWSI	COMPLY	V & E	FEDR		ENFORCE	REGS	MAIL	SURVFY
					X			

EPA REPORTING No

VALUES:

As applicable for subfields

EDITS AND VALIDATIONS:

As applicable for subfields

COMMENTS:

As applicable for subfields

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE: 1/7/76 REVISION DATE __/__/__ REVISION NO. ____ PAGE __OF__

PREPARED BY: AMERICAN MANAGEMENT SYSTEMS, INC.

DATA ELEMENT CATALOG. REF. 124	DATA ELEMENT MNEMONIC VIOLATION-DATE	DATA ELEMENT NAME VIOLATION DATE

DESCRIPTION AND USE:

Date on which a violation occurred

DATA TYPE: Numeric PICTURE: 9(g), 9(5)	SUB FIELDS DESCRIPTION: On input: MMDDYY On File: YYnnn (Julian format)	STATUS RESERVED ☐ CURRENT ☒

SOURCE(S): Enforcement action documents, the Water Quality Compliance Subsystem. Data element may be entered by input forms or computed automatically by the Water Quality Compliance Subsystem

EXISTS IN FILE/TABLE

PWSIF	SAF	VEF	PWS TABLE	EAF	REGS	OPER & MAIL	VIOLATIONS	METHODS	DEVIATIONS	MSIS HISTORY
				X			X			

INPUT/OUTPUT TO SUBSYSTEMS

PWSI	COMPLY	V & E	FEDR		ENFORCE	REGS	MAIL	SURVEY
	X		X		X			

EPA REPORTING No

VALUES:

A valid date

EDITS AND VALIDATIONS:

When entered on an input transaction form:

1. Must be numeric
2. Must be a valid date
3. Must be earlier than processing date

COMMENTS:

None

MODEL STATE INFORMATION SYSTEM
DATA ELEMENT DESCRIPTION

DATE: 1/7/76 REVISION DATE 4/15/76 REVISION NO. 1 PAGE ___OF___

PREPARED BY: AMERICAN MANAGEMENT SYSTEMS, INC.

DATA ELEMENT CATALOG. REF. 125	DATA ELEMENT MNEMONIC VIOLATION-TYPE	DATA ELEMENT NAME TYPE OF VIOLATION

DESCRIPTION AND USE:

A code describing the violation by associating it with one of several types.

DATA TYPE: A/N PICTURE: X(1)	SUB FIELDS DESCRIPTION: None	STATUS RESERVED ☐ CURRENT ☒

SOURCE(S): 1. Enforcement actions document
2. Generated automatically by the Water Quality Compliance Subsystem
3. Input to the Water Quality Compliance Subsystem

EXISTS IN FILE/TABLE

PWSIF	SAF	VEF	PWS TABLE	EAF	REGS	OPER & MAIL	VIOLATIONS	METHODS	DEVIATIONS	MSIS HISTORY
				X			X			

INPUT/OUTPUT TO SUBSYSTEMS

PWSI	COMPLY	V & E	FEDR		ENFORCE	REGS	MAIL	SURVEY
	X		X		X			

EPA REPORTING No

VALUES: See Exhibit IV.3.

EDITS AND VALIDATIONS:

Value must be included in a violations type table

COMMENTS:

The federal regulations do not specify the data elements that must be reported on a violation.

MODEL STATE INFORMATION SYSTEM
DATA ELEMENT DESCRIPTION

DATE: 1/7/76 REVISION DATE __/__/__ REVISION NO. ____ PAGE __OF__

PREPARED BY: AMERICAN MANAGEMENT SYSTEMS, INC.

DATA ELEMENT CATALOG. REF.	DATA ELEMENT MNEMONIC	DATA ELEMENT NAME
126	CASE-ABSTRACT	ENFORCEMENT OF CASE ABSTRACT

DESCRIPTION AND USE:

Narrative describing the enforcement action case.

DATA TYPE	SUB FIELDS DESCRIPTION:	STATUS
A/N	Ten lines of 30 characters each	RESERVED [ ]
PICTURE: X(30)x10		CURRENT [X]

SOURCE(S):
Enforcement actions documents

EXISTS IN FILE/TABLE

PWSIF	SAF	VEF	PWS TABLE	EAF	REGS	HPER & MAIL	VIOLATIONS	METHODS	DEVIATIONS	MSIS HISTORY
				X						

INPUT/OUTPUT TO SUBSYSTEMS

PWSI	COMPLY	V & E	FEDR		ENFORCE	REGS	MAIL	SURVEY
					X			

EPA REPORTING
No

VALUES:

N/A

EDITS AND VALIDATIONS:

N/A

COMMENTS:

None

MODEL STATE INFORMATION SYSTEM
DATA ELEMENT DESCRIPTION

DATE: 1/7/76 REVISION DATE __/__/__ REVISION NO. ____ PAGE __OF__

PREPARED BY: AMERICAN MANAGEMENT SYSTEMS, INC.

DATA ELEMENT CATALOG. REF.	DATA ELEMENT MNEMONIC	DATA ELEMENT NAME
127	LEGAL-STATUS	LEGAL STATUS

DESCRIPTION AND USE:

Legal status of an enforcement action case, expressed as a code.

DATA TYPE	SUB FIELDS DESCRIPTION:	STATUS
A/N	None	RESERVED ☐
PICTURE: X(1)		CURRENT ☐

SOURCE(S):

State administrative unit responsible for enforcement actions followup.

EXISTS IN FILE/TABLE										
PWSIF	SAF	VEF	PWS TABLE	EAF	REGS	OPER & MAIL	VIOLATIONS	METHODS	DEVIATIONS	MSIS HISTORY
				X						

INPUT/OUTPUT TO SUBSYSTEMS								
PWSI	COMPLY	V & E	FEDR		ENFORCE	REGS	MAIL	SURVEY
					X			

EPA REPORTING: No

VALUES:

A table of codes will be developed during detailed system design.

EDITS AND VALIDATIONS:

Value must be included in the legal status table.

COMMENTS:

None

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE: 1/7/76 REVISION DATE __/__/__ REVISION NO. ____ PAGE __OF__

PREPARED BY: AMERICAN MANAGEMENT SYSTEMS, INC.

DATA ELEMENT CATALOG. REF.	DATA ELEMENT MNEMONIC	DATA ELEMENT NAME
128	ADDRESSEE-ID	ADDRESSEE IDENTIFICATION

DESCRIPTION AND USE:

A number identifying an address on the Mailing file. The Addressee-ID and Addressee-type comprise the sort key of the file.

DATA TYPE	SUB FIELDS DESCRIPTION:	STATUS
Numeric	None	RESERVED [ ]
PICTURE: 9(5)		CURRENT [X]

SOURCE(S): 1. Assigned by input clerk for other addreesees

EXISTS IN FILE/TABLE											
PWSIF	SAF	VEF	PWS TABLE	EAF	REGS	OPER & MAIL	VIOLATIONS	METHODS	DEVIATIONS	MSIS HISTORY
						X				

INPUT/OUTPUT TO SUBSYSTEMS								
PWSI	COMPLY	V & E	FEDR		ENFORCE	REGS	MAIL	SURVEY
X				X			X	

EPA REPORTING No

VALUES:

A number greater than zero.

EDITS AND VALIDATIONS:

1. Must be numeric
2. Must be non-zero

COMMENTS:

NONE

MODEL STATE INFORMATION SYSTEM
DATA ELEMENT DESCRIPTION

DATE: 1/7/76 REVISION DATE __/__/__ REVISION NO. ____ PAGE __OF__

PREPARED BY: AMERICAN MANAGEMENT SYSTEMS, INC.

DATA ELEMENT CATALOG. REF. 129	DATA ELEMENT MNEMONIC ADDRESSEE-TYPE	DATA ELEMENT NAME ADDRESSEE-TYPE

DESCRIPTION AND USE:

A code describing the type of addressee on the Mailing File.

DATA TYPE: A/N PICTURE: X(1)	SUB FIELDS DESCRIPTION: None	STATUS RESERVED ☐ CURRENT ☒

SOURCE(S): Defined by input clerk at time of record creation.

EXISTS IN FILE/TABLE											
PWSIF	SAF	VEF	PWS TABLE	EAF	REGS	OPER & MAIL	VIOLATIONS	METHODS	DEVIATIONS	MSIS HISTORY	
						X					

INPUT/OUTPUT TO SUBSYSTEMS								
PWSI	COMPLY	V & E	FEDR		ENFORCE	REGS	MAIL	SURVEY
							X	

EPA REPORTING
) No

VALUES:

0 - Operator
Other - As defined by each state according to its needs

EDITS AND VALIDATIONS:

Must be 0 or one of the state defined codes.

COMMENTS:

NONE

ds.

MODEL STATE INFORMATION SYSTEM
DATA ELEMENT DESCRIPTION

DATE: 1/7/76 REVISION DATE 4/15/76 REVISION NO. 1 PAGE __ OF __

PREPARED BY: AMERICAN MANAGEMENT SYSTEMS, INC.

DATA ELEMENT CATALOG. REF.	DATA ELEMENT MNEMONIC	DATA ELEMENT NAME
130	CONTAMINANT-NAME	CONTAMINANT NAME

DESCRIPTION AND USE:

The scientific name of a contaminant. Used to simplify identification of contaminants and visual notification of the regulations printout.

DATA TYPE:	SUB FIELDS DESCRIPTION:	STATUS
A/N	None	RESERVED ☐
PICTURE: X(16)		CURRENT ☒

SOURCE(S): State and Federal regulations

EXISTS IN FILE/TABLE

PWSIF	SAF	VEF	PWS TABLE	EAF	REGS	OPER & MAIL	VIOLATIONS	METHODS	DEVIATIONS	MSIS HISTORY
					X					

INPUT/OUTPUT TO SUBSYSTEMS

PWSI	COMPLY	V & E	FEDR		ENFORCE	REGS	MAIL	SURVEY
						X		

EPA REPORTING: No

VALUES:

N/A

EDITS AND VALIDATIONS:

None

COMMENTS:

None

MODEL STATE INFORMATION SYSTEM
DATA ELEMENT DESCRIPTION

DATE: 1/7/76 REVISION DATE 4/15/76 REVISION NO. 1 PAGE ___OF___

PREPARED BY: AMERICAN MANAGEMENT SYSTEMS, INC.

DATA ELEMENT CATALOG. REF.	DATA ELEMENT MNEMONIC	DATA ELEMENT NAME
131	REG-LEVEL	REGULATIONS LEVEL

DESCRIPTION AND USE:

Used in the Regulations table to indicate if the regulations concerning a contaminant are State of Federal regulations, and whether they are primary or secondary regulations.

DATA TYPE: A/N

PICTURE: X(2)

SUB FIELDS DESCRIPTION:

None

STATUS
RESERVED ☐
CURRENT ☒

SOURCE(S):

Determined by input clerk when preparing the Regulations table data

EXISTS IN FILE/TABLE

PWSIF	SAF	VEF	PWS TABLE	EAF	REGS	OPER & MAIL	VIOLATIONS	METHODS	DEVIATIONS	MSIS HISTORY
					X		X			

INPUT/OUTPUT TO SUBSYSTEMS

PWSI	COMPLY	V & E	FEDR		ENFORCE	REGS	MAIL	SURVEY
	X					X		

EPA REPORTING
No

VALUES:

SP - State, Primary
SS - State, Secondary
FP - Federal, Primary
FS - Federal, Secondary

EDITS AND VALIDATIONS:

The Regulations Table printout must be visually verified.

COMMENTS:

None

MODEL STATE INFORMATION SYSTEM
DATA ELEMENT DESCRIPTION

DATE: 1/7/76 REVISION DATE __/__/__ REVISION NO. ____ PAGE __OF__

PREPARED BY: AMERICAN MANAGEMENT SYSTEMS, INC.

DATA ELEMENT CATALOG. REF.	DATA ELEMENT MNEMONIC	DATA ELEMENT NAME
132	REASON-CODE	CODE OF REASON FOR REGULATIONS

DESCRIPTION AND USE:

A code of the reason for including a chemical as a contaminant in the regulations.

DATA TYPE:	SUB FIELDS DESCRIPTION:	STATUS
A/N	None	RESERVED ☐
PICTURE: X(1)		CURRENT ☒

SOURCE(S):

State and Federal regulations

EXISTS IN FILE/TABLE

PWSIF	SAF	VEF	PHS TABLE	EAF	REGS	OPER & MAIL	VIOLATIONS	METHODS	DEVIATIONS	MSIS HISTORY
					X					

INPUT/OUTPUT TO SUBSYSTEMS

PWSI	COMPLY	V & E	FEDR		ENFORCE	REGS	MAIL	SURVEY
	X					X		

EPA REPORTING) No

VALUES:

H - Health hazard
O - Odor
T - Taste
C - Color

EDITS AND VALIDATIONS:

Must have the value H, O, T, or C
Validation is done visually

COMMENTS:

None

MODEL STATE INFORMATION SYSTEM
DATA ELEMENT DESCRIPTION

DATE: 1/7/76 REVISION DATE __/__/__ REVISION NO. ____ PAGE __OF__

PREPARED BY: AMERICAN MANAGEMENT SYSTEMS, INC.

DATA ELEMENT CATALOG. REF. 133	DATA ELEMENT MNEMONIC UNITS	DATA ELEMENT NAME MCL UNITS

DESCRIPTION AND USE:

Name of the units used to measure contaminant level in drinking water.

DATA TYPE: A/N PICTURE: X(6)	SUB FIELDS DESCRIPTION: None	STATUS RESERVED ☐ CURRENT ☒

SOURCE(S): State and Federal regulations

EXISTS IN FILE/TABLE											
PWSIF	SAF	VEF	PWS TABLE	EAF	REGS	OPER & MAIL	VIOLATIONS	METHODS	DEVIATIONS	MSIS HISTORY
					X					

INPUT/OUTPUT TO SUBSYSTEMS									
PWSI	COMPLY	V & E	FEDR		ENFORCE	REGS	MAIL	SURVEY
X	X	X				X		X

EPA REPORTING No

VALUES:

N/A

EDITS AND VALIDATIONS:

Visually verified

COMMENTS:

None

MODEL STATE INFORMATION SYSTEM
DATA ELEMENT DESCRIPTION

DATE: 4/15/76 REVISION DATE __/__/__ REVISION NO. ____ PAGE __ OF __

PREPARED BY: AMERICAN MANAGEMENT SYSTEMS, INC.

DATA ELEMENT CATALOG. REF. 134	DATA ELEMENT MNEMONIC AREA-LOCATION	DATA ELEMENT NAME SERVICE AREA LOCATION

DESCRIPTION AND USE:

Service area location may not be the same as either plant location or mailing address.

DATA TYPE: GROUP

PICTURE: ____

SUB FIELDS DESCRIPTION:

104 - City
105 - County

STATUS
RESERVED ☐
CURRENT ☒

SOURCE(S):

EXISTS IN FILE/TABLE

PWSIF	SAF	VEF	PWS TABLE	EAF	REGS	OPER & MAIL	VIOLATIONS	METHODS	DEVIATIONS	MSIS HISTORY
X										

INPUT/OUTPUT TO SUBSYSTEMS

PWSI	COMPLY	V & E	FEDR		ENFORCE	REGS	MAIL	SURVEY

EPA REPORTING NO

VALUES:

As applicable to subfields.

EDITS AND VALIDATIONS:

As applicable to subfields.

COMMENTS:

None.

MODEL STATE INFORMATION SYSTEM
DATA ELEMENT DESCRIPTION

DATE: 1/7/76 REVISION DATE __/__/__ REVISION NO. ____ PAGE __OF__

PREPARED BY: AMERICAN MANAGEMENT SYSTEMS, INC.

DATA ELEMENT CATALOG. REF. 135	DATA ELEMENT MNEMONIC MCL-DECIMALS	DATA ELEMENT NAME MCL DECIMALS

DESCRIPTION AND USE:

Number of decimals in the applicable MCL. Used for editing the MCL and the results of analysis. Applies to chemical and radioactive contaminants.

DATA TYPE: Numeric PICTURE: 9(1)	SUB FIELDS DESCRIPTION: None	STATUS RESERVED ☐ CURRENT ☒

SOURCE(S):
State and Federal regulations

EXISTS IN FILE/TABLE											
PWSIF	SAF	VEF	PWS TABLE	EAF	REGS	OPER & MAIL	VIOLATIONS	METHODS	DEVIATIONS	MSIS HISTORY
					X					

INPUT/OUTPUT TO SUBSYSTEMS								
PWSI	COMPLY	V & E	FEDR		ENFORCE	REGS	MAIL	SURVEY
X	X	X				X		X

EPA REPORTING
No

VALUES:

Ø to 9.

EDITS AND VALIDATIONS:

1. Must be numeric and in the range Ø to 9.
2. Visually verified

COMMENTS:

Example: If the MCL is 005400 and MCL-DECIMALS=5, MCL is printed as 0.05400

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE: 1/7/76 REVISION DATE __/__/__ REVISION NO. ____ PAGE __OF__

PREPARED BY: AMERICAN MANAGEMENT SYSTEMS, INC.

DATA ELEMENT CATALOG. REF.	DATA ELEMENT MNEMONIC	DATA ELEMENT NAME
136	CHECK-SAMPLES	CHECK SAMPLES FOR AVERAGING

DESCRIPTION AND USE:

Number of check samples that must be taken and averaged when a PWS is in violation of a MCL. A moving average of CHECK-SAMPLES is computed until the MCL is reached or until the public was nctified.

DATA TYPE	SUB FIELDS DESCRIPTION	STATUS
Numeric	None	RESERVED ☐
PICTURE: 9(1)		CURRENT ☒

SOURCE(S):

State and federal regulations

EXISTS IN FILE/TABLE

PWSIF	SAF	VEF	PWS TABLE	EAF	REGS	OPER & MAIL	VIOLATIONS	METHODS	DEVIATIONS	MSIS HISTORY
					X					

INPUT/OUTPUT TO SUBSYSTEMS

PWSI	COMPLY	V & E	FEDR		ENFORCE	REGS	MAIL	SURVEY
	X					X		

EPA REPORTING: No

VALUES:

Ø to 9.

EDITS AND VALIDATIONS:

1. Must be numeric and in the range Ø to 9

COMMENTS:

None

MODEL STATE INFORMATION SYSTEM
DATA ELEMENT DESCRIPTION

DATE: 1/7/76 REVISION DATE __/__/__ REVISION NO. ____ PAGE __OF__

PREPARED BY: AMERICAN MANAGEMENT SYSTEMS, INC.

DATA ELEMENT CATALOG. REF. 137	DATA ELEMENT MNEMONIC SEASONAL-CODE	DATA ELEMENT NAME SEASONAL SAMPLING INDICATOR

DESCRIPTION AND USE:

A flag indicating whether seasonal sampling applies to a contaminant. If so MSIS will schedule sampling during season time. Season is determined by the PWSIF data elements SEASON-START and SEASON-END.

DATA TYPE: Alpha numeric PICTURE: X(1)	SUB FIELDS DESCRIPTION: None	STATUS RESERVED ☐ CURRENT ☒

SOURCE(S):

Determined by authorized state personnel

EXISTS IN FILE/TABLE										
PWSIF	SAF	VEF	PWS TABLE	EAF	REGS	OPER & MAIL	VIOLATIONS	METHODS	DEVIATIONS	MSIS HISTORY
					X					

INPUT/OUTPUT TO SUBSYSTEMS								
PWSI	COMPLY	V & E	FEDR		ENFORCE	REGS	MAIL	SURVEY
	X					X		

EPA REPORTING No

VALUES:

0 - Seasonal sampling not required
1 - Seasonal sampling required

EDITS AND VALIDATIONS:

1. Must be Ø or 1.
2. Visually verified.

COMMENTS:

Sample taken out of season will not be rejected by the Water Quality Compliance subsystem, but will not be considered as complying with sampling requirements.

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE: 1/7/76 REVISION DATE __/__/__ REVISION NO. ____ PAGE __OF__

PREPARED BY: AMERICAN MANAGEMENT SYSTEMS, INC.

DATA ELEMENT CATALOG. REF. 138	DATA ELEMENT MNEMONIC SPECIAL-CODE	DATA ELEMENT NAME CODE FOR SPECIAL CONSIDERATIONS

DESCRIPTION AND USE:

Code to describe special considerations when comparing analysis results to the MCL.

DATA TYPE: Numeric PICTURE: 9(1)	SUB FIELDS DESCRIPTION: None	STATUS RESERVED ☐ CURRENT ☐

SOURCE(S):
State and Federal regulations

EXISTS IN FILE/TABLE

PWSIF	SAF	VEF	PWS TABLE	EAF	REGS	OPER & MAIL	VIOLATIONS	METHODS	DEVIATIONS	MSIS HISTORY
					X					

INPUT/OUTPUT TO SUBSYSTEMS

PWSI	COMPLY	V & E	FEDR		ENFORCE	REGS	MAIL	SURVEY
	X					X		

EPA REPORTING
No

VALUES:

Ø - No special considerations
1 - MCL depends on air temperature

EDITS AND VALIDATIONS:

1. Must be Ø or 1
2. Visually verified

COMMENTS:

If a state wishes to apply additional codes for special considerations module WAQC140 must be modified to accomodate such considerations when computing compliance.

MODEL STATE INFORMATION SYSTEM
DATA ELEMENT DESCRIPTION

DATE: 1/7/76 REVISION DATE __/__/__ REVISION NO. ____ PAGE __OF__

PREPARED BY: AMERICAN MANAGEMENT SYSTEMS, INC.

DATA ELEMENT CATALOG. REF. 139	DATA ELEMENT MNEMONIC YEARS-TO-1ST	DATA ELEMENT NAME YEARS TO FIRST ANALYSIS

DESCRIPTION AND USE:

Number of years during which the first water sample must be taken and analyzed for the applicable contaminant.

DATA TYPE: Numeric PICTURE: 9(1)	SUB FIELDS DESCRIPTION: None	STATUS RESERVED ☐ CURRENT ☒

SOURCE(S): State and Federal regulations

EXISTS IN FILE/TABLE

PWSIF	SAF	VEF	PWS TABLE	EAF	REGS	OPER & MAIL	VIOLATIONS	METHODS	DEVIATIONS	MSIS HISTORY
					X					

INPUT/OUTPUT TO SUBSYSTEMS

PWSI	COMPLY	V & E	FEDR		ENFORCE	REGS	MAIL	SURVEY
	X					X		

EPA REPORTING No

VALUES:

Ø to 2.
Ø means that a sample must be taken during the first year following effective date.

EDITS AND VALIDATIONS:

1. Must be numeric and in the range Ø to 2.

COMMENTS:

The state may wish to increase the limit.

MODEL STATE INFORMATION SYSTEM
DATA ELEMENT DESCRIPTION

DATE: 1/7/76 REVISION DATE __/__/__ REVISION NO. ____ PAGE __OF__

PREPARED BY: AMERICAN MANAGEMENT SYSTEMS, INC.

DATA ELEMENT CATALOG. REF.	DATA ELEMENT MNEMONIC	DATA ELEMENT NAME
140	SAMPLING-FREQUENCY	SAMPLING FREQUENCY

DESCRIPTION AND USE:

Sampling frequency for analysis as applied to a particular contaminant. The frequency is expressed in days.

DATA TYPE: Numeric

PICTURE: 9(2).9(3).9(6)

SUB FIELDS DESCRIPTION:

None

STATUS
RESERVED ☐
CURRENT ☒

SOURCE(S):

State and Federal regulations

EXISTS IN FILE/TABLE

PWSIF	SAF	VEF	PWS TABLE	EAF	REGS	OPER & MAIL	VIOLATIONS	METHODS	DEVIATIONS	MSIS HISTORY
					X					

INPUT/OUTPUT TO SUBSYSTEMS

PWSI	COMPLY	V & E	FEDR		ENFORCE	REGS	MAIL	SURVEY
	X					X		

EPA REPORTING: No

VALUES:

A positive number, size depending on the particular contaminant

EDITS AND VALIDATIONS:

Must be numeric and greater than zero

COMMENTS:

Example: Weekly sampling can be coded as 7 days
Monthly sampling, as 30 days
Quarterly as 120 days
Yearly as 365 days

MODEL STATE INFORMATION SYSTEM
DATA ELEMENT DESCRIPTION

DATE: 1/7/76 REVISION DATE __/__/__ REVISION NO. ____ PAGE __OF__

PREPARED BY: AMERICAN MANAGEMENT SYSTEMS, INC.

DATA ELEMENT CATALOG. REF.	DATA ELEMENT MNEMONIC	DATA ELEMENT NAME
141	GROUND-WATER	GROUND-WATER REQUIREMENTS

DESCRIPTION AND USE:

Sampling requirements as applied to a chemical contaminant analysis of ground water source.

DATA TYPE: Group

PICTURE: N/A

SUB FIELDS DESCRIPTION:

YEARS-TO-1ST
SAMPLING-FREQUENCY

STATUS
RESERVED ☐
CURRENT ☒

SOURCE(S): State and federal regulations

EXISTS IN FILE/TABLE

PWSIF	SAF	VEF	PWS TABLE	EAF	REGS	OPER & FALL	VIOLATIONS	METHODS	DEVIATIONS	MSIS HISTORY
					X					

INPUT/OUTPUT TO SUBSYSTEMS

PWSI	COMPLY	V & E	FEDR		ENFORCE	REGS	MAIL	SURVEY
	X					X		

EPA REPORTING
No

VALUES:

As applicable to subfields

EDITS AND VALIDATIONS:

As applicable to subfields

COMMENTS:

As applicable to subfields

MODEL STATE INFORMATION SYSTEM
DATA ELEMENT DESCRIPTION

DATE: 1/7/76 REVISION DATE __/__/__ REVISION NO. ____ PAGE __OF__

PREPARED BY: AMERICAN MANAGEMENT SYSTEMS, INC.

DATA ELEMENT CATALOG. REF. 142	DATA ELEMENT MNEMONIC SURFACE-WATER	DATA ELEMENT NAME SURFACE WATER REQUIREMENTS

DESCRIPTION AND USE:

Sampling requirements as applied to a chemical contaminant analysis of surface water source.

DATA TYPE: Group PICTURE: N/A	SUB FIELDS DESCRIPTION: YEARS-TO-1ST SAMPLING-FREQUENCY	STATUS RESERVED ☐ CURRENT ☒

SOURCE(S): State and federal regulations

EXISTS IN FILE/TABLE										
PWSIF	SAF	VEF	PWS TABLE	EAF	REGS	OPER & MAIL	VIOLATIONS	METHODS	DEVIATIONS	MSIS HISTORY
					X					

INPUT/OUTPUT TO SUBSYSTEMS								
PWSI	COMPLY	V & E	FEDR		ENFORCE	REGS	MAIL	SURVEY
	X					X		

EPA REPORTING No

VALUES:

As applicable to subfields

EDITS AND VALIDATIONS:

As applicable to subfields

COMMENTS:

As applicable to subfields

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE: 1/7/76 REVISION DATE __/__/__ REVISION NO. ____ PAGE __OF__

PREPARED BY: AMERICAN MANAGEMENT SYSTEMS, INC.

DATA ELEMENT CATALOG. REF. 143	DATA ELEMENT MNEMONIC COMMUNITY-PWS	DATA ELEMENT NAME REGULATIONS FOR A COMMUNITY PWS

DESCRIPTION AND USE:

Regulations as applied to community PWS concerning chemical contaminants and turbidity.

DATA TYPE: Group

PICTURE: _____

SUB FIELDS DESCRIPTION:

Chemicals: EFFECTIVE-DATE
GROUND-WATER
SURFACE-WATER

Turbidity: SAMPLING-FREQUENCY

STATUS
RESERVED ☐
CURRENT ☒

SOURCE(S): State and federal regulations

EXISTS IN FILE/TABLE											
PWSIF	SAF	VEF	PWS TABLE	EAF	REGS	OPER & MAIL	VIOLATIONS	METHODS	DEVIATIONS	MSIS HISTORY
					X					

INPUT/OUTPUT TO SUBSYSTEMS									
PWSI	COMPLY	V & E	FEDR		ENFORCE	REGS	MAIL	SURVEY
	X					X		

EPA REPORTING No

VALUES:

As applied to subfields

EDITS AND VALIDATIONS:

As applied to subfields

COMMENTS:

As applied to subfields

MODEL STATE INFORMATION SYSTEM
DATA ELEMENT DESCRIPTION

DATE: 1/7/76 REVISION DATE __/__/__ REVISION NO. ____ PAGE __OF__

PREPARED BY: AMERICAN MANAGEMENT SYSTEMS, INC.

DATA ELEMENT CATALOG. REF. 144	DATA ELEMENT MNEMONIC NON-COMMUNITY	DATA ELEMENT NAME REGULATIONS FOR A NON-COMMUNITY PWS

DESCRIPTION AND USE:

This is a group of data elements concerning sampling frequency for a non-community PWS. The grouping is different according to contaminant group

DATA TYPE: Group PICTURE: N/A	SUB FIELDS DESCRIPTION: Chemicals: EFFECTIVE-DATE GROUND-WATER SURFACE-WATER	Bacteriological: EFFECTIVE-DATE SEASONAL-CODE SAMPLING FREQUENCY SAMPLING PERIOD	Turbidity: SAMPLING-FREQUENCY	STATUS RESERVED ☐ CURRENT ☒

SOURCE(S):
State and federal regulations

EXISTS IN FILE/TABLE										
PWSIF	SAF	VEF	PWS TABLE	EAF	REGS	OPER & MAIL	VIOLATIONS	METHODS	DEVIATIONS	MSIS HISTORY
					X					

INPUT/OUTPUT TO SUBSYSTEMS									
PWSI	COMPLY	V & E	FEDR		ENFORCE	REGS	MAIL	SURVEY	
	X					X			

EPA REPORTING
No

VALUES:

As applicable to subfields

EDITS AND VALIDATIONS:

As applicable to subfields

COMMENTS:

As applicable to subfields

MODEL STATE INFORMATION SYSTEM
DATA ELEMENT DESCRIPTION

DATE: 1/7/76 REVISION DATE __/__/__ REVISION NO. ____ PAGE __OF__

PREPARED BY: AMERICAN MANAGEMENT SYSTEMS, INC.

DATA ELEMENT CATALOG. REF. 145	DATA ELEMENT MNEMONIC MONTHLY-MCL	DATA ELEMENT NAME MCL FOR MONTHLY AVERAGE

DESCRIPTION AND USE:

Compliance with the regulations concerning bacteriological and turbidity contaminant is based on a MCL for the monthly average and other special MCL's

DATA TYPE: Numeric PICTURE: 9(2)	SUB FIELDS DESCRIPTION: None	STATUS RESERVED ☐ CURRENT ☒

SOURCE(S):

State and federal regulations

EXISTS IN FILE/TABLE

PWSIF	SAF	VEF	PWS TABLE	EAF	REGS	OPER & MAIL	VIOLATIONS	METHODS	DEVIATIONS	MSIS HISTORY
					X					

INPUT/OUTPUT TO SUBSYSTEMS

PWSI	COMPLY	V & E	FEDR		ENFORCE	REGS	MAIL	SURVEY
	X					X		

EPA REPORTING: No

VALUES:

Monthly average is expressed by turbidity units or colliform count or positive tubes as applicable to a particular contaminant and analysis method.

EDITS AND VALIDATIONS:

1. Must be numeric
2. Visually verified

COMMENTS:

None

MODEL STATE INFORMATION SYSTEM
DATA ELEMENT DESCRIPTION

DATE: 1/7/76 REVISION DATE __/__/__ REVISION NO. ____ PAGE __ OF __

PREPARED BY: AMERICAN MANAGEMENT SYSTEMS, INC.

DATA ELEMENT CATALOG. REF.	DATA ELEMENT MNEMONIC	DATA ELEMENT NAME
146	CONSECUTIVE-MCL	MCL FOR CONSECUTIVE SAMPLES AVERAGE

DESCRIPTION AND USE:

Compliance with the standards for turbidity is also measured by comparing the average of consecutive samples with the CONSECUTIVE-MCL expressed in Turbidity Units.

DATA TYPE: Numeric

PICTURE: 9(2)

SUB FIELDS DESCRIPTION:

None

STATUS
RESERVED ☐
CURRENT ☒

SOURCE(S):

State and federal regulations

EXISTS IN FILE/TABLE

PWSIF	SAF	VEF	PWS TABLE	EAF	REGS	OPER & MAIL	VIOLATIONS	METHODS	DEVIATIONS	MSIS HISTORY
					X					

INPUT/OUTPUT TO SUBSYSTEMS

PWSI	COMPLY	V & E	FEDR		ENFORCE	REGS	MAIL	SURVEY
	X					X		

EPA REPORTING: No

VALUES:

A number.

EDITS AND VALIDATIONS:

1. Must be numeric
2. Visually verified

COMMENTS:

The value checked against the CONSECUTIVE-MCL is actually a moving average. The number of samples to be included in the average is defined by CONSECUTIVE-SAMPLES.

MODEL STATE INFORMATION SYSTEM
DATA ELEMENT DESCRIPTION

DATE: 1/7/76 REVISION DATE __/__/__ REVISION NO. ____ PAGE __OF__

PREPARED BY: AMERICAN MANAGEMENT SYSTEMS, INC.

DATA ELEMENT CATALOG. REF.	DATA ELEMENT MNEMONIC	DATA ELEMENT NAME
147	CONSECUTIVE-SAMPLES	NUMBER OF CONSECUTIVE SAMPLES

DESCRIPTION AND USE:

Numer of consecutive samples to be included in the moving daily average for determining compliance with turbidity MCL.

DATA TYPE	SUB FIELDS DESCRIPTION	STATUS
Numeric	None	RESERVED [ ]
PICTURE: 9(2)		CURRENT [X]

SOURCE(S):

State and federal regulstions

EXISTS IN FILE/TABLE

PWSIF	SAF	VEF	PWS TABLE	EAF	REGS	OPFB & MAIL	VIOLATIONS	METHODS	DEVIATIONS	MSIS HISTORY
					X					

INPUT/OUTPUT TO SUBSYSTEMS

PWSI	COMPLY	V & E	FEDR		ENFORCE	REGS	MAIL	SURVEY
	X					X		

EPA REPORTING: No

VALUES:

The value is 2 according to the federal regulations. Can be any positive number.

EDITS AND VALIDATIONS:

1. Must be numeric.
2. Visually verified
3. Must be non-zero if CONSECUTIVE-MCL is non-zero.

COMMENTS:

None

MODEL STATE INFORMATION SYSTEM
DATA ELEMENT DESCRIPTION

DATE: 1/7/76 REVISION DATE __/__/__ REVISION NO. ____ PAGE __OF__

PREPARED BY: AMERICAN MANAGEMENT SYSTEMS, INC.

DATA ELEMENT CATALOG. REF.	DATA ELEMENT MNEMONIC	DATA ELEMENT NAME
148	SURFACE-ONLY	WATER SOURCE INDICATOR

DESCRIPTION AND USE:

A flag indicating if turbidity is to be monitored only at PWS using surface water. Currently only surface water are to be checked for turbidity.

DATA TYPE: A/N

PICTURE: X(1)

SUB FIELDS DESCRIPTION:

None

STATUS
RESERVED ☐
CURRENT ☒

SOURCE(S):

State and federal regulations

EXISTS IN FILE/TABLE

PWSIF	SAF	VEF	PWS TABLE	EAF	REGS	OPER & MAIL	VIOLATIONS	METHODS	DEVIATIONS	MSIS HISTORY
					X					

INPUT/OUTPUT TO SUBSYSTEMS

PWSI	COMPLY	V & E	FEDR		ENFORCE	REGS	MAIL	SURVEY
	X					X		

EPA REPORTING
No

VALUES:

Y - Yes, surface water only
N - No, all water sources

EDITS AND VALIDATIONS:

1. Must be 'Y' or 'N'
2. Visually verified

COMMENTS:

This data element may be redundant. The reason it is present is to provide for latter changes in standards.

MODEL STATE INFORMATION SYSTEM
DATA ELEMENT DESCRIPTION

DATE: 1/7/76 REVISION DATE __/__/__ REVISION NO. ____ PAGE __OF__

PREPARED BY: AMERICAN MANAGEMENT SYSTEMS, INC.

DATA ELEMENT CATALOG. REF.	DATA ELEMENT MNEMONIC	DATA ELEMENT NAME
149	REPEAT-INCLUDED	REPEAT SAMPLES INDICATOR

DESCRIPTION AND USE:

A flag indicating if repeat (check) samples are to be included in the monthly average in place of the original sample. Applies to turbidity monitoring. Currently repeat samples have to be considered.

DATA TYPE	SUB FIELDS DESCRIPTION	STATUS
A/N	None	RESERVED [ ]
PICTURE: X(1)		CURRENT [X]

SOURCE(S):

State and federal regulations

EXISTS IN FILE/TABLE

PWSIF	SAF	VEF	PWS TABLE	EAF	REGS	OPER & MAIL	VIOLATIONS	METHODS	DEVIATIONS	MSIS HISTORY
					X					

INPUT/OUTPUT TO SUBSYSTEMS

PWSI	COMPLY	V & E	FEDR		ENFORCE	REGS	MAIL	SURVEY
	X					X		

EPA REPORTING No

VALUES:

Y - Yes, include repeat samples
N - No, do not include repeat samples

EDITS AND VALIDATIONS:

1. Must be 'Y' or 'N'
2. Visually verified

COMMENTS:

None

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE: 1/7/76 REVISION DATE __/__/__ REVISION NO. ____ PAGE __OF__

PREPARED BY: AMERICAN MANAGEMENT SYSTEMS, INC.

DATA ELEMENT CATALOG. REF.	DATA ELEMENT MNEMONIC	DATA ELEMENT NAME
150	MEMBRANE-FILTER	MEMBRANT FILTER STANDARDS

DESCRIPTION AND USE:

Standards for bacteriological monitoring as defined for the membrance filter analysis method.

DATA TYPE: Group

PICTURE: N/A

SUB FIELDS DESCRIPTION:

Single - MCL
Monthly- MCL
Percent - Samples
Percent - MCL

STATUS
RESERVED ☐
CURRENT ☒

SOURCE(S):

State and federal regulations

EXISTS IN FILE/TABLE

PWSIF	SAF	VEF	PWS TABLE	EAF	REGS	OPER & MAIL	VIOLATIONS	METHODS	DEVIATIONS	MSIS HISTORY
					X					

INPUT/OUTPUT TO SUBSYSTEMS

PWSI	COMPLY	V & E	FEDR		ENFORCE	REGS	MAIL	SURVEY
	X					X		

EPA REPORTING No

VALUES:

As applicable to subfields

EDITS AND VALIDATIONS:

As applicable to subfields

COMMENTS:

As applicable to subfields

MODEL STATE INFORMATION SYSTEM
DATA ELEMENT DESCRIPTION

DATE: 1/7/76 REVISION DATE __/__/__ REVISION NO. ____ PAGE __OF__

PREPARED BY: AMERICAN MANAGEMENT SYSTEMS, INC.

DATA ELEMENT CATALOG. REF. 151	DATA ELEMENT MNEMONIC SINGLE-MCL	DATA ELEMENT NAME MCL FOR A SINGLE SAMPLE

DESCRIPTION AND USE:

MCL for a single samples that serves as "early warning measure" for bacteriological contamination.

DATA TYPE: Numeric PICTURE: 9(2)	SUB FIELDS DESCRIPTION: None	STATUS RESERVED ☐ CURRENT ☒

SOURCE(S): Authorized state personnel

EXISTS IN FILE/TABLE

PWSIF	SAF	VEF	PWS TABLE	EAF	REGS	OPER & MAIL	VIOLATIONS	METHODS	DEVIATIONS	MSIS HISTORY
					X					

INPUT/OUTPUT TO SUBSYSTEMS

PWSI	COMPLY	V & E	FEDR		ENFORCE	REGS	MAIL	SURVEY
	X					X		

EPA REPORTING No

VALUES:

Expressed in colliform count or positive tubes, depending on the analysis method. Lower limit is zero. Higher limits as set by the state. If not set by state it will be the same as PERCENT-MCL.

EDITS AND VALIDATIONS:

1. Must be numeric
2. Must not be higher than a higher limit
3. Visually verified

COMMENTS:

Single samples which surpass the SINGLE-MCL will be listed on report WAQC020R- List of samples in violation of Bacteriological Standards.

MODEL STATE INFORMATION SYSTEM
DATA ELEMENT DESCRIPTION

DATE: 1/7/76 REVISION DATE 4/15/76 REVISION NO. 1 PAGE ___OF___

PREPARED BY: AMERICAN MANAGEMENT SYSTEMS, INC.

DATA ELEMENT CATALOG. REF. 152	DATA ELEMENT MNEMONIC PERCENT-SAMPLES	DATA ELEMENT NAME PERCENT OF SAMPLES

DESCRIPTION AND USE:
Percent of samples which are analyzed for bacteriological monitoring that may exceed a certain MCL (MCL-PERCENT) during the reporting period. If the actual number of samples taken is not high, then one sample, at most, may exceed the limit. For example, according to the federal regulations the value of PERCENT-SAMPLES is five. Therefore, if only twenty samples or less are taken, then at most one sample may exceed the limit.

DATA TYPE: Numeric PICTURE: 9(2)	SUB FIELDS DESCRIPTION: None	STATUS RESERVED ☐ CURRENT ☒

SOURCE(S):
State and federal regulations

EXISTS IN FILE/TABLE

PWSIF	SAF	VEF	PWS TABLE	EAF	REGS	OPER & MAIL	VIOLATIONS	METHODS	DEVIATIONS	MSIS HISTORY
					X					

INPUT/OUTPUT TO SUBSYSTEMS

PWSI	COMPLY	V & E	FEDR		ENFORCE	REGS	MAIL	SURVEY
	X					X		

EPA REPORTING
No

VALUES:

1. Any number
2. A higher limit may be set during detailed system design

EDITS AND VALIDATIONS:

1. Must be numeric
2. Must not be greater than higher limit
3. Visually verified

COMMENTS:

None

MODEL STATE INFORMATION SYSTEM
DATA ELEMENT DESCRIPTION

DATE: 1/7/76 REVISION DATE __/__/__ REVISION NO. ____ PAGE __OF__

PREPARED BY: AMERICAN MANAGEMENT SYSTEMS, INC.

DATA ELEMENT CATALOG. REF. 153	DATA ELEMENT MNEMONIC PERCENT-MCL	DATA ELEMENT NAME MCL FOR PERCENT SAMPLES

DESCRIPTION AND USE:

MCL to be applied to a percent of samples as defined by data element PERCENT-SAMPLES

DATA TYPE: Numeric PICTURE: 9(2)	SUB FIELDS DESCRIPTION: None	STATUS RESERVED ☐ CURRENT ☒

SOURCE(S):

State and federal regulations

EXISTS IN FILE/TABLE											
PWSIF	SAF	VEF	PWS TABLE	EAF	REGS	OPER / MAIL	VIOLATIONS	METHODS	DEVIATIONS	MSIS HISTORY
					X					

INPUT/OUTPUT TO SUBSYSTEMS								
PWSI	COMPLY	V & E	FEDR		ENFORCE	REGS	MAIL	SURVEY
	X					X		

EPA REPORTING No

VALUES:

As defined by regulations

EDITS AND VALIDATIONS:

Same as SINGLE-MCL

COMMENTS:

None

MODEL STATE INFORMATION SYSTEM
DATA ELEMENT DESCRIPTION

DATE: 1/7/76 REVISION DATE __/__/__ REVISION NO. ____ PAGE __OF__

PREPARED BY: AMERICAN MANAGEMENT SYSTEMS, INC.

DATA ELEMENT CATALOG. REF.	DATA ELEMENT MNEMONIC	DATA ELEMENT NAME
154	TUBE-10	FERMENTATION TUBE STANDARDS TO mm PORTION

DESCRIPTION AND USE:

Standards for bacteriological monitoring as defined for the analysis method of fermentation tube, using a standard portion of 10 mm.

DATA TYPE: Group

PICTURE: N/A

SUB FIELDS DESCRIPTION:

SINGLE - MCL
MONTHLY - MCL
PERCENT - SAMPLES
PERCENT - MCL

STATUS
RESERVED ☐
CURRENT ☒

SOURCE(S): State and federal regulations

EXISTS IN FILE/TABLE

PWSIF	SAF	VEF	PWS TABLE	EAF	REGS	OPER / MAIL	VIOLATIONS	METHODS	DEVIATIONS	MSIS HISTORY
					X					

INPUT/OUTPUT TO SUBSYSTEMS

PWSI	COMPLY	V & E	FEDR		ENFORCE	REGS	MAIL	SURVEY
	X					X		

EPA REPORTING: No

VALUES:

As applicable to subfields

EDITS AND VALIDATIONS:

As applicable to subfields

COMMENTS:

As applicable to subfields

MODEL STATE INFORMATION SYSTEM
DATA ELEMENT DESCRIPTION

DATE: 1/7/76 REVISION DATE __/__/__ REVISION NO. ____ PAGE __OF__

PREPARED BY: AMERICAN MANAGEMENT SYSTEMS, INC.

DATA ELEMENT CATALOG. REF.	DATA ELEMENT MNEMONIC	DATA ELEMENT NAME
155	TUBE-100	FERMENTATION TUBE STANDARDS - 10mm PORTION

DESCRIPTION AND USE:

Stnadards for bacteriological monitoring as defined for the analysis method of fermentation tube, using a standard portion of 100 mm.

DATA TYPE: Group

PICTURE: N/A

SUB FIELDS DESCRIPTION:
SINGLE- MCL
MONTHLY - MCL
PERCENT - SAMPLES
PERCENT - MCL

STATUS
RESERVED ☐
CURRENT ☒

SOURCE(S):
State and federal regulations

EXISTS IN FILE/TABLE

PWSIF	SAF	VEF	PWS TABLE	EAF	REGS	OPER & MAIL	VIOLATIONS	METHODS	DEVIATIONS	MSIS HISTORY
					X					

INPUT/OUTPUT TO SUBSYSTEMS

PWSI	COMPLY	V & E	FEDR		ENFORCE	REGS	MAIL	SURVEY
	X					X		

EPA REPORTING
No

VALUES:

As applicable to subfields

EDITS AND VALIDATIONS:

As applicable to subfields

COMMENTS:

As applicable to subfields

MODEL STATE INFORMATION SYSTEM
DATA ELEMENT DESCRIPTION

DATE: 1/7/76 REVISION DATE __/__/__ REVISION NO. ____ PAGE __OF__

PREPARED BY: AMERICAN MANAGEMENT SYSTEMS, INC.

DATA ELEMENT CATALOG. REF. 156	DATA ELEMENT MNEMONIC SAMPLES-IN-LIEU	DATA ELEMENT NAME NUMBER OF SAMPLES IN LIEU

DESCRIPTION AND USE:

Number of samples to be taken for chlorine residual, in lieu of one samples required for bacteriological analysis, when chlorine residual method is used.

DATA TYPE: Numeric PICTURE: 9(2)	SUB FIELDS DESCRIPTION: None	STATUS RESERVED ☐ CURRENT ☒

SOURCE(S):

State and federal regulations

EXISTS IN FILE/TABLE

PWSIF	SAF	VEF	PWS TABLE	EAF	REGS	OPER & MAIL	VIOLATIONS	METHODS	DEVIATIONS	MSIS HISTORY
					X					

INPUT/OUTPUT TO SUBSYSTEMS

PWSI	COMPLY	V & E	FEDR		ENFORCE	REGS	MAIL	SURVEY
	X					X		

EPA REPORTING: No

VALUES:

Defined by the federal regulations to be 4. May have any non zero value for the state level regulations

EDITS AND VALIDATIONS:

1. Must be numeric
2. Must equal 4 for federal level regulations table.
3. Must equal a state value set by state for state level regulations
4. Visually verified

COMMENTS:

None

MODEL STATE INFORMATION SYSTEM
DATA ELEMENT DESCRIPTION

DATE: 1/7/76 REVISION DATE __/__/__ REVISION NO. ____ PAGE __OF__

PREPARED BY: AMERICAN MANAGEMENT SYSTEMS, INC.

DATA ELEMENT CATALOG. REF. 157	DATA ELEMENT MNEMONIC CHLORINE-PERCENT	DATA ELEMENT NAME PERCENT OF SAMPLES FOR CLORIDE RESIDUAL

DESCRIPTION AND USE:

Percent of samples for bacteriological analysis that may be replaced by the equivalent number of samples for analysis by chlorine residual.

DATA TYPE: Numeric PICTURE: 9(2)	SUB FIELDS DESCRIPTION: None	STATUS RESERVED ☐ CURRENT ☒

SOURCE(S):

State and federal regulations

EXISTS IN FILE/TABLE

PWSIF	SAF	VEF	PWS TABLE	EAF	REGS	OPER & MAIL	VIOLATIONS	METHODS	DEVIATIONS	MSIS HISTORY
					X					

INPUT/OUTPUT TO SUBSYSTEMS

PWSI	COMPLY	V & E	FEDR		ENFORCE	REGS	MAIL	SURVEY
	X					X		

EPA REPORTING: No

VALUES:

Currently the federal regulations allow maximum of 75%.

EDITS AND VALIDATIONS:

1. Must be numeric
2. Must not be greater than maximum as set by the applicable regulations
3. Visually verified

COMMENTS:

None

MODEL STATE INFORMATION SYSTEM
DATA ELEMENT DESCRIPTION

DATE: 1/7/76 REVISION DATE __/__/__ REVISION NO. ____ PAGE __OF__

PREPARED BY: AMERICAN MANAGEMENT SYSTEMS, INC.

DATA ELEMENT CATALOG. REF.	DATA ELEMENT MNEMONIC	DATA ELEMENT NAME
158	SAMPLING-PERIOD	SAMPLING PERIOD

DESCRIPTION AND USE:

A flag to define the sampling period for bacteriological contaminants monitoring. Applies to non-community PWS's.

DATA TYPE	SUB FIELDS DESCRIPTION	STATUS
A/N	None	RESERVED ☐
PICTURE: X(1)		CURRENT ☒

SOURCE(S):

State and federal regulations

EXISTS IN FILE/TABLE

PWSIF	SAF	VEF	PWS TABLE	EAF	REGS	OPER / MAIL	VIOLATIONS	METHODS	DEVIATIONS	MSIS HISTORY
					X					

INPUT/OUTPUT TO SUBSYSTEMS

PWSI	COMPLY	V & E	FEDR		ENFORCE	REGS	MAIL	SURVEY
	X					X		

EPA REPORTING: No

VALUES:

Q - Quarter
M - Month

EDITS AND VALIDATIONS:

1. Must be 'Q' or 'M'
2. Visually verified

COMMENTS:

None

MODEL STATE INFORMATION SYSTEM
DATA ELEMENT DESCRIPTION

DATE: 1/7/76 REVISION DATE __/__/__ REVISION NO. ____ PAGE __OF__

PREPARED BY: AMERICAN MANAGEMENT SYSTEMS, INC.

DATA ELEMENT CATALOG. REF. 159	DATA ELEMENT MNEMONIC FROM-POPULATION	DATA ELEMENT NAME LOWER LIMIT OF POPULATION SERVED

DESCRIPTION AND USE:

Sampling frequency for bacteriological analysis is based on population size. The FROM-POPULATION is the lower limit defining a population size group.

DATA TYPE: Numeric PICTURE: 9(7)	SUB FIELDS DESCRIPTION: None	STATUS RESERVED ☐ CURRENT ☒

SOURCE(S):
State and federal regulations

EXISTS IN FILE/TABLE

PWSIF	SAF	VEF	PWS TABLE	EAF	REGS	OPER & MAIL	VIOLATIONS	METHODS	DEVIATIONS	MSIS HISTORY
					X					

INPUT/OUTPUT TO SUBSYSTEMS

PWSI	COMPLY	V & E	FEDR		ENFORCE	REGS	MAIL	SURVEY
	X					X		

EPA REPORTING
No

VALUES:

Numeric values as listed in the regulations

EDITS AND VALIDATIONS:

1. Must be numeric
2. Must be identifical to the applicable table in the regulations
3. Visually verified

COMMENTS:

None

MODEL STATE INFORMATION SYSTEM
DATA ELEMENT DESCRIPTION

DATE: 1/7/76 REVISION DATE __/__/__ REVISION NO. ____ PAGE __OF__

PREPARED BY: AMERICAN MANAGEMENT SYSTEMS, INC.

DATA ELEMENT CATALOG. REF.	DATA ELEMENT MNEMONIC	DATA ELEMENT NAME
160	TO-POPULATION	UPPER LIMIT OF POPULATION SERVED

DESCRIPTION AND USE:

The upper limit defining a population-servied size group in the sampling frequency table for bacteriological monitoring.

DATA TYPE	SUB FIELDS DESCRIPTION	STATUS
Numeric	None	RESERVED ☐
PICTURE: 9(7)		CURRENT ☒

SOURCE(S):

State and federal regulations

EXISTS IN FILE/TABLE											
PWSIF	SAF	VEF	PWS TABLE	EAF	REGS	OPER & MAIL	VIOLATIONS	METHODS	DEVIATIONS	MSIS HISTORY
					X					

INPUT/OUTPUT TO SUBSYSTEMS									
PWSI	COMPLY	V & E	FEDR		ENFORCE	REGS	MAIL	SURVEY
	X					X		

EPA REPORTING: No

VALUES:

Numeric values as listed in the regulations

EDITS AND VALIDATIONS:

1. Must be numeric
2. Must be identical to the applicable table in the regulations
3. Visually verified

COMMENTS:

None

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE: 1/7/76 REVISION DATE __/__/__ REVISION NO. ____ PAGE __OF__

PREPARED BY: AMERICAN MANAGEMENT SYSTEMS, INC.

DATA ELEMENT CATALOG. REF. 161	DATA ELEMENT MNEMONIC VIOLATION-ID	DATA ELEMENT NAME VIOLATION IDENTIFICATION

DESCRIPTION AND USE:

A five digit number identifying a violation record on the Violations File in conjunction with the violation type.

DATA TYPE: Numeric PICTURE: 9(5)	SUB FIELDS DESCRIPTION: None	STATUS RESERVED ☐ CURRENT ☒

SOURCE(S):
1. Assigned by input clerk if the violation is reported manually.
2. Assigned automatically for internally generated violation records.

EXISTS IN FILE/TABLE

PWSIF	SAF	VEF	PWS TABLE	EAF	REGS	OPER & MAIL	VIOLATIONS	METHODS	DEVIATIONS	MSIS HISTORY
							X			

INPUT/OUTPUT TO SUBSYSTEMS

PWSI	COMPLY	V & E	FEDR		ENFORCE	REGS	MAIL	SURVEY
	X							

EPA REPORTING: No

VALUES:

A number

EDITS AND VALIDATIONS:

Must be numeric and non-zero

COMMENTS:

None

MODEL STATE INFORMATION SYSTEM
DATA ELEMENT DESCRIPTION

DATE: 1/7/76 REVISION DATE __/__/__ REVISION NO. ____ PAGE __OF__

PREPARED BY: AMERICAN MANAGEMENT SYSTEMS, INC.

DATA ELEMENT CATALOG. REF. 162	DATA ELEMENT MNEMONIC REMARKS	DATA ELEMENT NAME REMARKS ON VIOLATION

DESCRIPTION AND USE:

Providing a space for additional information about a violation. This data element is available only to violations which are reported manually.

DATA TYPE: A/N PICTURE: X(25)	SUB FIELDS DESCRIPTION: None	STATUS RESERVED ☐ CURRENT ☒

SOURCE(S):

Authorized state personnel

EXISTS IN FILE/TABLE

PWSIF	SAF	VEF	PWS TABLE	EAF	REGS	OPER / MAIL	VIOLATIONS	METHODS	DEVIATIONS	MSIS HISTORY
							X			

INPUT/OUTPUT TO SUBSYSTEMS

PWSI	COMPLY	V & E	FEDR		ENFORCE	REGS	MAIL	SURVEY
	X							

EPA REPORTING: No

VALUES:

A character string

EDITS AND VALIDATIONS:

None

COMMENTS:

None

MODEL STATE INFORMATION SYSTEM
DATA ELEMENT DESCRIPTION

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PREPARED BY: AMERICAN MANAGEMENT SYSTEMS, INC.

DATA ELEMENT CATALOG. REF. 163	DATA ELEMENT MNEMONIC DEVIATION-TYPE	DATA ELEMENT NAME DEVIATION TYPE

DESCRIPTION AND USE:

A code identifying the type of a deviation record

DATA TYPE: Numeric PICTURE: 9(1)	SUB FIELDS DESCRIPTION: None	STATUS RESERVED [ ] CURRENT [X]

SOURCE(S):
Violation file and the VEF

EXISTS IN FILE/TABLE										
PWSIF	SAF	VEF	PWS TABLE	EAF	REGS	OPER / MAIL	VIOLATIONS	METHODS	DEVIATIONS	MSIS HISTORY
									X	

INPUT/OUTPUT TO SUBSYSTEMS								
PWSI	COMPLY	V & E	FEDR		ENFORCE	REGS	MAIL	SURVEY
			X					

EPA REPORTING Yes

VALUES:

1 - Violation
2 - Variance
3 - Exemption

EDITS AND VALIDATIONS:

None

COMMENTS:

None

MODEL STATE INFORMATION SYSTEM
DATA ELEMENT DESCRIPTION

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PREPARED BY: AMERICAN MANAGEMENT SYSTEMS, INC.

DATA ELEMENT CATALOG. REF.	DATA ELEMENT MNEMONIC	DATA ELEMENT NAME
164	DEVIATION-ID	DEVIATION IDENTIFICATION

DESCRIPTION AND USE:

The identification of the deviation record source, e.g., the original identification of the violation record or the V&E record

DATA TYPE: Numeric

PICTURE: 9(5)

SUB FIELDS DESCRIPTION:

None

STATUS
RESERVED [ ]
CURRENT [X]

SOURCE(S):
Internally generated from the VEF and Violation File

EXISTS IN FILE/TABLE											
PWSIF	SAF	VEF	PWS TABLE	EAF	REGS	OPER & MAIL	VIOLATIONS	METHODS	DEVIATIONS	MSIS HISTORY
									X	

INPUT/OUTPUT TO SUBSYSTEMS									
PWSI	COMPLY	V & E	FEDR		ENFORCE	REGS	MAIL	SURVEY
	X	X	X					

EPA REPORTING
Yes

VALUES:

A non-zero number

EDITS AND VALIDATIONS:

None

COMMENTS:

None

MODEL STATE INFORMATION SYSTEM
DATA ELEMENT DESCRIPTION

DATE: 1/7/76 REVISION DATE __/__/__ REVISION NO. ____ PAGE __OF__

PREPARED BY: AMERICAN MANAGEMENT SYSTEMS, INC.

DATA ELEMENT CATALOG. REF.	DATA ELEMENT MNEMONIC	DATA ELEMENT NAME
165	NEW-VALUE	NEW VALUE

DESCRIPTION AND USE:

The value that replaced the content of a MSIS data element during an update action used to establish an audit trail.

DATA TYPE: A/N

PICTURE: X(30)

SUB FIELDS DESCRIPTION:

None

STATUS
RESERVED [ ]
CURRENT [X]

SOURCE(S):

Input transactions

EXISTS IN FILE/TABLE

PWSIF	SAF	VEF	PWS TABLE	EAF	REGS	OPER & MAIL	VIOLATIONS	METHODS	DEVIATIONS	MSIS HISTOR.
X		X	X	X		X				X

INPUT/OUTPUT TO SUBSYSTEMS

PWSI	COMPLY	V & E	FEDR		ENFORCE	REGS	MAIL	SURVEY

EPA REPORTING: No

VALUES:

As appeared on the input transaction

EDITS AND VALIDATIONS:

None

COMMENTS:

None

MODEL STATE INFORMATION SYSTEM
DATA ELEMENT DESCRIPTION

DATE: 1/7/76 REVISION DATE __/__/__ REVISION NO. ____ PAGE __OF__

PREPARED BY: AMERICAN MANAGEMENT SYSTEMS, INC.

DATA ELEMENT CATALOG. REF. 166	DATA ELEMENT MNEMONIC DEVIATION-CODE	DATA ELEMENT NAME DEVIATION CODE

DESCRIPTION AND USE:

A code describing the deviation. For a V&E it is the RE ON code. For a violation it is the VIOLATION-TYPE

DATA TYPE: A/N PICTURE: X(1)	SUB FIELDS DESCRIPTION: None	STATUS RESERVED ☐ CURRENT ☒

SOURCE(S):

Internally generated from the VEF and the Violations File

EXISTS IN FILE/TABLE										
PWSIF	SAF	VEF	PWS TABLE	EAF	REGS	OPER & MAIL	VIOLATIONS	METHODS	DEVIATIONS	MSIS HISTORY
		X		X			X		X	

INPUT/OUTPUT TO SUBSYSTEMS								
PWSI	COMPLY	V & E	FEDR		ENFORCE	REGS	MAIL	SURVEY
	X	X	X		X			

EPA REPORTING Yes

VALUES:

As applies to REASON and VIOLATION-TYPE

EDITS AND VALIDATIONS:

None

COMMENTS:

None

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MODEL STATE INFORMATION SYSTEM
DATA ELEMENT DESCRIPTION

DATE: 1/7/76 REVISION DATE __/__/__ REVISION NO. ____ PAGE __OF__

PREPARED BY: AMERICAN MANAGEMENT SYSTEMS, INC.

DATA ELEMENT CATALOG. REF.	DATA ELEMENT MNEMONIC	DATA ELEMENT NAME
167	METHOD-NAME	NAME OF ANALYSIS METHOD

DESCRIPTION AND USE:

The analysis method name is used to identify it outside the MSIS, and as a connector between the ANALYSIS-METHOD number and an actual method.

DATA TYPE:	SUB FIELDS DESCRIPTION:	STATUS
A/N	None	RESERVED ☐
PICTURE: X(30)		CURRENT ☒

SOURCE(S):
State and Federal regulations

EXISTS IN FILE/TABLE

PWSIF	SAF	VEF	PWS TABLE	EAF	REGS	OPER. DETAIL	VIOLATIONS	METHODS	DEVIATIONS	MSIS HISTORY
								X		

INPUT/OUTPUT TO SUBSYSTEMS

PWSI	COMPLY	V & E	FEDR		ENFORCE	REGS	MAIL	SURVEY

EPA REPORTING
No

VALUES:

A character string

EDITS AND VALIDATIONS:

None

COMMENTS:

None

MODEL STATE INFORMATION SYSTEM
DATA ELEMENT DESCRIPTION

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PREPARED BY: AMERICAN MANAGEMENT SYSTEMS, INC.

DATA ELEMENT CATALOG. REF.	DATA ELEMENT MNEMONIC	DATA ELEMENT NAME
168	METHOD-SHORT	ANALYSIS METHOD SHORT NAME

DESCRIPTION AND USE:

The analysis method short name is used for display in the applicable reports.

DATA TYPE: A/N

PICTURE: X(10)

SUB FIELDS DESCRIPTION:

None

STATUS
RESERVED ☐
CURRENT ☒

SOURCE(S):

EXISTS IN FILE/TABLE

PWSIF	SAF	VEF	PWS TABLE	EAF	REGS	OPER / MAIL	VIOLATIONS	METHODS	DEVIATIONS	MSIS HISTORY
								X		

INPUT/OUTPUT TO SUBSYSTEMS

PWSI	COMPLY	V & E	FEDR		ENFORCE	REGS	MAIL	SURVEY
	X							

EPA REPORTING: No

VALUES:

A character string

EDITS AND VALIDATIONS:

None

COMMENTS:

None

MODEL STATE INFORMATION SYSTEM
DATA ELEMENT DESCRIPTION

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PREPARED BY: AMERICAN MANAGEMENT SYSTEMS, INC.

DATA ELEMENT CATALOG. REF. 169	DATA ELEMENT MNEMONIC REPORTING-BACTI	DATA ELEMENT NAME BACTERIOLOGICAL SAMPLES REPROTING FLAG

DESCRIPTION AND USE:

A flag indicating PWS reporting made for bacteriological samples.

DATA TYPE: GROUP PICTURE:	SUB FIELDS DESCRIPTION: 112 - REPORTING-FLAG	STATUS RESERVED ☐ CURRENT ☒

SOURCE(S):

As determined by state personnel.

EXISTS IN FILE/TABLE

PWSIF	SAF	VEF	PWS TABLE	EAF	REGS	OPER & MAIL	VIOLATIONS	METHODS	DEVIATIONS	MSIS HISTORY
X										

INPUT/OUTPUT TO SUBSYSTEMS

PWSI	COMPLY	V & E	FEDR		ENFORCE	REGS	MAIL	SURVEY
X	X							

EPA REPORTING Yes

VALUES:

As applied to REPORTING-FLAG

EDITS AND VALIDATIONS:

As applied to REPORTING-FLAG

COMMENTS:

If the flag is not set, then the PWS is assumed to report individual samples. Use of individual sample forms or a list, for scheduling purposes, is determined by the number of samples to be taken.

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE: 4 / 15 / 76 REVISION DATE __/__/__ REVISION NO. ____ PAGE __OF__

PREPARED BY: AMERICAN MANAGEMENT SYSTEMS, INC.

DATA ELEMENT CATALOG. REF. 178	DATA ELEMENT MNEMONIC REPORTING-TURB	DATA ELEMENT NAME TURBIDITY REPORTING MODE

DESCRIPTION AND USE:

A flag indicating PWS reporting made for turbidity monitoring.

DATA TYPE: GROUP PICTURE:	SUB FIELDS DESCRIPTION: 112 - REPORTING-FLAG	STATUS RESERVED ☐ CURRENT ☒

SOURCE(S):

As determined by state personnel.

EXISTS IN FILE/TABLE										
PWSIF	SAF	VEF	PWS TABLE	EAF	REGS	OPER & MAIL	VIOLATIONS	METHODS	DEVIATIONS	MSIS HISTORY
X										

INPUT/OUTPUT TO SUBSYSTEMS								
PWSI	COMPLY	V & E	FEDR		ENFORCE	REGS	MAIL	SURVEY
X	X							

EPA REPORTING Yes

VALUES:

As applied to REPORTING-FLAG.

EDITS AND VALIDATIONS:

As applied to REPORTING-FLAG.

COMMENTS:

If the flag is not set for a particular PWS, then it is assumed that reporting is done on a list of individual samples.

MODEL STATE INFORMATION SYSTEM
DATA ELEMENT DESCRIPTION

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PREPARED BY: AMERICAN MANAGEMENT SYSTEMS, INC.

DATA ELEMENT CATALOG. REF. 171	DATA ELEMENT MNEMONIC REPORT - REQUIRED	DATA ELEMENT NAME OPERATING REPORT REQUIRED

DESCRIPTION AND USE:

A flag indicating whether a PWS must submit a monthly operation report.

DATA TYPE: Numeric PICTURE: 9(1)	SUB FIELDS DESCRIPTION: None	STATUS RESERVED ☐ CURRENT ☒

SOURCE(S):

As determined by state personnel.

EXISTS IN FILE/TABLE

PWSIF	SAF	VEF	PWS TABLE	EAF	REGS	OPER & MAIL	VIOLATIONS	METHODS	DEVIATIONS	MSIS HISTORY
X										

INPUT/OUTPUT TO SUBSYSTEMS

PWSI	COMPLY	V & E	FEDR		ENFORCE	REGS	MAIL	SURVEY
X	X							

EPA REPORTING Yes

VALUES:

1 - Yes, PWS must report
Ø - No, PWS not required to report.

EDITS AND VALIDATIONS:

Must be Ø or 1.

COMMENTS:

None.

MODEL STATE INFORMATION SYSTEM
DATA ELEMENT DESCRIPTION

DATE: 4 / 15 / 76 REVISION DATE __/__/__ REVISION NO. ____ PAGE __ OF __

PREPARED BY: AMERICAN MANAGEMENT SYSTEMS, INC.

DATA ELEMENT CATALOG. REF. 172	DATA ELEMENT MNEMONIC LAST - REPORT	DATA ELEMENT NAME DATE OF LAST REPORT

DESCRIPTION AND USE:

Month for which the last operation report was submitted.

DATA TYPE: Numeric PICTURE: 9(4)	SUB FIELDS DESCRIPTION: MMYY	STATUS RESERVED ☐ CURRENT ☒

SOURCE(S):
Monthly update transaction.

EXISTS IN FILE/TABLE										
PWSIF	SAF	VEF	PWS TABLE	EAF	REGS	OPER & MAIL	VIOLATIONS	METHODS	DEVIATIONS	MSIS HISTORY
X										

INPUT/OUTPUT TO SUBSYSTEMS								
PWSI	COMPLY	V & E	FEDR		ENFORCE	REGS	MAIL	SURVEY
X	X							

EPA REPORTING
Yes

VALUES:

A valid month and year.

EDITS AND VALIDATIONS:

Must be a valid date and no later than current date.

COMMENTS:

None.

MODEL STATE INFORMATION SYSTEM
DATA ELEMENT DESCRIPTION

DATE: 4 / 15 / 76 REVISION DATE __/__/__ REVISION NO. ____ PAGE __OF__

PREPARED BY: AMERICAN MANAGEMENT SYSTEMS, INC.

DATA ELEMENT CATALOG. REF. 173	DATA ELEMENT MNEMONIC RADIOACTIVE-MONITORING	DATA ELEMENT NAME RADIOACTIVE MONITORING FLAG

DESCRIPTION AND USE:

A flag indicating if a PWS must be monitored continuously for radioactive contaminants.

DATA TYPE: Numeric PICTURE: 9(1)	SUB FIELDS DESCRIPTION: None	STATUS RESERVED ☐ CURRENT ☒

SOURCE(S):

As determined by state officials.

EXISTS IN FILE/TABLE

PWSIF	SAF	VEF	PWS TABLE	EAF	REGS	OPER & MAIL	VIOLATIONS	METHODS	DEVIATIONS	MSIS HISTORY
X										

INPUT/OUTPUT TO SUBSYSTEMS

PWSI	COMPLY	V & E	FEDR		ENFORCE	REGS	MAIL	SURVEY
X	X							

EPA REPORTING Yes

VALUES:

Ø - No
1 - Yes, but only for natural radioactive contaminants
2 - Yes, but only for man-made radioactive contaminants
3 - Yes, all radioactive contaminants

EDITS AND VALIDATIONS:

Must be Ø, 1, 2, or 3.

COMMENTS:

A PWS must be continously monitored for radioactive contaminants if the initial sample violates the MCL. Also, the state may require monitoring if a PWS is located below an atomic power station etc.

MODEL STATE INFORMATION SYSTEM
DATA ELEMENT DESCRIPTION

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PREPARED BY: AMERICAN MANAGEMENT SYSTEMS, INC.

DATA ELEMENT CATALOG. REF. 174	DATA ELEMENT MNEMONIC NUMBER-OF-WELLS	DATA ELEMENT NAME Number of Wells

DESCRIPTION AND USE:

If a number of wells are treated in one treatment plant, they are considered as one water source. This data element specifies the number of wells per source.

DATA TYPE: Numeric PICTURE: 9(2)	SUB FIELDS DESCRIPTION: None	STATUS RESERVED ☐ CURRENT ☒

SOURCE(S):

PWS permit documents

EXISTS IN FILE/TABLE

PWSIF	SAF	VEF	PWS TABLE	EAF	REGS	OPER ' MAIL	VIOLATIONS	METHODS	DEVIATIONS	MSIS HISTORY
X										

INPUT/OUTPUT TO SUBSYSTEMS

PWSI	COMPLY	V & E	FEDR		ENFORCE	REGS	MAIL	SURVEY
X								

EPA REPORTING Yes

VALUES:

Numeric value, 0 to 99.

EDITS AND VALIDATIONS:

1. Must be numeric.
2. Must be between 0 and 99.

COMMENTS:

None.

MODEL STATE INFORMATION SYSTEM
DATA ELEMENT DESCRIPTION

DATE: 4 / 15 / 76 REVISION DATE __/__/__ REVISION NO. ____ PAGE __OF__

PREPARED BY: AMERICAN MANAGEMENT SYSTEMS, INC.

DATA ELEMENT CATALOG. REF. 175	DATA ELEMENT MNEMONIC AVAILABILI Y	DATA ELEMENT NAME WATER AVAILABILITY CODE

DESCRIPTION AND USE:

A code describing the availability of a water source.

DATA TYPE: A/N PICTURE: X(1)	SUB FIELDS DESCRIPTION: None	STATUS RESERVED ☐ CURRENT ☒

SOURCE(S):

PWS permit documents.

EXISTS IN FILE/TABLE

PWSIF	SAF	VEF	PWS TABLE	EAF	REGS	OPER & MAIL	VIOLATIONS	METHODS	DEVIATIONS	MSIS HISTORY
X										

INPUT/OUTPUT TO SUBSYSTEMS

PWSI	COMPLY	V & E	FEDR		ENFORCE	REGS	MAIL	SURVEY
X								

EPA REPORTING Yes

VALUES:

Space or P - Permanent source
S - Seasonal source
R - Reserve source
E - Emergency source
I - [illegible]

EDITS AND VALIDATIONS:

Must be space, P, S, R, or E.

COMMENTS:

None

MODEL STATE INFORMATION SYSTEM
DATA ELEMENT DESCRIPTION

DATE 4 / 15 / 76 REVISION DATE __/__/__ REVISION NO. ____ PAGE __ OF __

PREPARED BY: AMERICAN MANAGEMENT SYSTEMS, INC.

DATA ELEMENT CATALOG. REF. 176	DATA ELEMENT MNEMONIC Basin-Number	DATA ELEMENT NAME RIVER BASIN NUMBER

DESCRIPTION AND USE:

This data element applies to surface water sources, indicating the river (or lake) from which water is taken. The main use of the information is to identify PWSs that draw water from a certain river in a case of major contamination.

DATA TYPE: Numeric PICTURE: 9(7)	SUB FIELDS DESCRIPTION: None	STATUS RESERVED ☐ CURRENT ☐

SOURCE(S):

PWS permit documents.

EXISTS IN FILE/TABLE											
PWSIF	SAF	VEF	PWS TABLE	EAF	REGS	OPER & MAIL	VIOLATIONS	METHODS	DEVIATIONS	MSIS HISTORY	
X											

INPUT/OUTPUT TO SUBSYSTEMS									
PWSI	COMPLY	V & E	FEDR		ENFORCE	REGS	MAIL	SURVEY	
X									

EPA REPORTING Yes

VALUES:

A numeric value.

EDITS AND VALIDATIONS:

1. Must be numeric
2. May be zero.

COMMENTS:

None

MODEL STATE INFORMATION SYSTEM
DATA ELEMENT DESCRIPTION

DATE: A / 15 / 76 PEVISION DATE __/__/__ REVISION NO. ____ PAGE __OF__

PREPARED BY: AMERICAN MANAGEMENT SYSTEMS, INC.

DATA ELEMENT CATALOG. REF. 177	DATA ELEMENT MNEMONIC LOWER-LIMIT	DATA ELEMENT NAME LOWEST REASONABLE ANAYLSIS RESULT

DESCRIPTION AND USE:
This data element specifies, for a chemical contaminant, the lowest reasonable value of analysis result. This value is used for validating the results.

DATA TYPE: ~~Numeric~~ PICTURE: ~~9(6)~~	SUB FIELDS DESCRIPTION: None	STATUS RESERVED ☐ CURRENT ☒

SOURCE(S):

As determined by state personnel.

EXISTS IN FILE/TABLE

PWSIF	SAF	VEF	PWS TABLE	EAF	REGS	OPER / MAIL	VIOLATIONS	METHODS	DEVIATIONS	MSIS HISTORY
					X					

INPUT/OUTPUT TO SUBSYSTEMS

PWSI	COMPLY	V & E	FEDR		ENFORCE	REGS	MAIL	SURVEY
	X					X		

EPA REPORTING No

VALUES:

A numeric value, including zero.

EDITS AND VALIDATIONS:

Must be numeric.

COMMENTS:

Visual verification required.

MODEL STATE INFORMATION SYSTEM
DATA ELEMENT DESCRIPTION

DATE: 4 / 15 / 76 REVISION DATE __/__/__ REVISION NO. ____ PAGE __OF__

PREPARED BY: AMERICAN MANAGEMENT SYSTEMS, INC.

DATA ELEMENT CATALOG. REF. 178	DATA ELEMENT MNEMONIC HIGHER-LIMIT	DATA ELEMENT NAME HIGHEST REASONABLE ANALYSIS RESULT

DESCRIPTION AND USE:

This data element specifies, for a chemical contaminant, the highest reasonable value of analysis result. This value is used for validating the results.

DATA TYPE: Numeric PICTURE: 9(6)	SUB FIELDS DESCRIPTION: None	STATUS RESERVED ☐ CURRENT ☒

SOURCE(S):

As determined by state officials.

EXISTS IN FILE/TABLE

PWSIF	SAF	VEF	PWS TABLE	EAF	REGS	OPER & MAIL	VIOLATIONS	METHODS	DEVIATIONS	MSIS HISTORY
X										

INPUT/OUTPUT TO SUBSYSTEMS

PWSI	COMPLY	V & E	FEDR		ENFORCE	REGS	MAIL	SURVEY
	X							

EPA REPORTING: No

VALUES:

A numeric value, excluding zero.

EDITS AND VALIDATIONS:

Must be numeric and non-zero.

COMMENTS:

Visual verification required.

MODEL STATE INFORMATION SYSTEM
DATA ELEMENT DESCRIPTION

DATE: 4 / 15 / 76 REVISION DATE __/__/__ REVISION NO. ____ PAGE __OF__

PREPARED BY: AMERICAN MANAGEMENT SYSTEMS, INC.

DATA ELEMENT CATALOG. REF. 179	DATA ELEMENT MNEMONIC CHECK-PERIOD	DATA ELEMENT NAME PERIOD FOR CHECK SAMPLES

DESCRIPTION AND USE:

This data element specifies, for a chemical contaminant, the period, in days, within which check samples must be taken if a regular sample exceeds the MCL.

DATA TYPE: Numeric PICTURE: 9(2)	SUB FIELDS DESCRIPTION: None	STATUS RESERVED ☐ CURRENT ☒

SOURCE(S):

As determined by federal and state regulations.

EXISTS IN FILE/TABLE

PWSIF	SAF	VEF	PWS TABLE	EAF	REGS	OPER & MAIL	VIOLATIONS	METHODS	DEVIATIONS	MSIS HISTORY
					X					

INPUT/OUTPUT TO SUBSYSTEMS

PWSI	COMPLY	V & E	FEDR		ENFORCE	REGS	MAIL	SURVEY
	X					X		

EPA REPORTING: No

VALUES:

A non-zero number (number of days).

EDITS AND VALIDATIONS:

Must be numeric and non-zero.

COMMENTS:

Visual verification required.

MODEL STATE INFORMATION SYSTEM
DATA ELEMENT DESCRIPTION

DATE: 4/15/76 REVISION DATE __/__/__ REVISION NO. ____ PAGE __OF__

PREPARED BY: AMERICAN MANAGEMENT SYSTEMS, INC.

DATA ELEMENT CATALOG. REF. 188	DATA ELEMENT MNEMONIC SAMPLE-KEY	DATA ELEMENT NAME SAMPLE KEY

DESCRIPTION AND USE:

The SAMPLE-KEY is used to identify a record on the sample and Analysis File (SAF). It is assigned by the periodic summary process.

DATA TYPE: NUMERIC PICTURE: 9(9)	SUB FIELDS DESCRIPTION: 1. Julian Date YYNNN 2. Sequential number within date.	STATUS RESERVED ☐ CURRENT ☒

SOURCE(S):

Created automatically

EXISTS IN FILE/TABLE

PWSIF	SAF	VEF	PWS TABLE	EAF	REGS	OPER & MAIL	VIOLATIONS	METHODS	DEVIATIONS	MSIS HISTORY
	X									

INPUT/OUTPUT TO SUBSYSTEMS

PWSI	COMPLY	V & E	FEDR		ENFORCE	REGS	MAIL	SURVEY
	X							

EPA REPORTING NO

VALUES:

The SAMPLE-KEY is composed of the processing date and a sequential number within the date.

EDITS AND VALIDATIONS:

None.

COMMENTS:

None.

MODEL STATE INFORMATION SYSTEM
DATA ELEMENT DESCRIPTION

DATE: 4 / 15 / 76 REVISION DATE __/__/__ REVISION NO. ____ PAGE __ OF __

PREPARED BY: AMERICAN MANAGEMENT SYSTEMS, INC.

DATA ELEMENT CATALOG. REF. 181	DATA ELEMENT MNEMONIC VIOLATION-DURATION	DATA ELEMENT NAME VIOLATION DURATION

DESCRIPTION AND USE:

The duration, in days, of a violation of drinking water regulations.

DATA TYPE: NUMERIC PICTURE: 9(2)	SUB FIELDS DESCRIPTION: None	STATUS RESERVED [ ] CURRENT [X]

SOURCE(S):
1. Entered by the violation input form.
2. Entered by the monthly summary form.
3. Created automatically during the periodic summary process.

EXISTS IN FILE/TABLE

PWSIF	SAF	VEF	PWS TABLE	EAF	REGS	OPER & MAIL	VIOLATIONS	METHODS	DEVIATIONS	MSIS HISTORY
	X						X		X	

INPUT/OUTPUT TO SUBSYSTEMS

PWSI	COMPLY	V & E	FEDR		ENFORCE	REGS	MAIL	SURVEY
	X		X					

EPA REPORTING Yes

VALUES:

A numeric value.

EDITS AND VALIDATIONS:

On input, must be numeric and greater than zero.

COMMENTS:

None.

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE: 8/15/76 REVISION DATE __/__/__ REVISION NO. ____ PAGE __OF__

PREPARED BY: AMERICAN MANAGEMENT SYSTEMS, INC.

DATA ELEMENT CATALOG. REF. 182	DATA ELEMENT MNEMONIC CHECK-TAKEN	DATA ELEMENT NAME CHECK SAMPLES TAKEN

DESCRIPTION AND USE:

A flag indicating if check samples were taken. It is used to indicate a violation of check sampling requirements.

DATA TYPE: A/N PICTURE: X(1)	SUB FIELDS DESCRIPTION: None	STATUS RESERVED ☐ CURRENT ☒

SOURCE(S):
1. Monthly summary form
2. Created by the periodic summary process.

EXISTS IN FILE/TABLE

PWSIF	SAF	VEF	PWS TABLE	EAF	REGS	OPER & MAIL	VIOLATIONS	METHODS	DEVIATIONS	MSIS HISTORY
	X						X			

INPUT/OUTPUT TO SUBSYSTEMS

PWSI	COMPLY	V & E	FEDR		ENFORCE	REGS	MAIL	SURVEY
	X		X					

EPA REPORTING
1 ~~Yes~~

VALUES:

1 - Yes
0 - No

EDITS AND VALIDATIONS:

The value is submitted on input, by a non-space character and recognized by its position on the record.

COMMENTS:

If there was no need to take check samples, the value of the flag is 1 - yes.

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE: 4/15/76 REVISION DATE __/__/__ REVISION NO. ____ PAGE __OF__

PREPARED BY: AMERICAN MANAGEMENT SYSTEMS, INC.

DATA ELEMENT CATALOG. REF. 183	DATA ELEMENT MNEMONIC STATE-NOTIFIED	DATA ELEMENT NAME STATE NOTIFIED

DESCRIPTION AND USE:

A flag indicating that the state was notified about a violation of the drinking water regulations.

DATA TYPE: A/N PICTURE: X(1)	SUB FIELDS DESCRIPTION: None	STATUS RESERVED ☐ CURRENT ☒

SOURCE(S):
Monthly summary form.

EXISTS IN FILE/TABLE

PWSIF	SAF	VEF	PWS TABLE	EAF	REGS	OPER & MAIL	VIOLATIONS	METHODS	DEVIATIONS	MSIS HISTORY
	X									

INPUT/OUTPUT TO SUBSYSTEMS

PWSI	COMPLY	V & E	FEDR		ENFORCE	REGS	MAIL	SURVEY
	X		X					

EPA REPORTING Yes

VALUES:

0 - No
1 - Yes
9 - Unknown

EDITS AND VALIDATIONS:

The value is identified by its position on input documents.

COMMENTS: The value 9 = unknown is created by the periodic summary process. The values (0,1) = (No, Yes) are entered via input summary forms. Note that even if there was no need to notify the state, the value is 1 = Yes.

MODEL STATE INFORMATION SYSTEM
DATA ELEMENT DESCRIPTION

DATE: 4 /15/ 76 REVISION DATE __/__/__ REVISION NO. ____ PAGE __OF__

PREPARED BY: AMERICAN MANAGEMENT SYSTEMS, INC.

DATA ELEMENT CATALOG. REF.	DATA ELEMENT MNEMONIC	DATA ELEMENT NAME
184	PUBLIC-NOTIFIED	PUBLIC NOTIFIED

DESCRIPTION AND USE:

A flag indicating if the public was notified about a violation of the drinking water regulations.

DATA TYPE:	SUB FIELDS DESCRIPTION:	STATUS
A/N		RESERVED ☐
PICTURE: X(1)	None	CURRENT ☒

SOURCE(S):
1. The monthly summary form
2. Created by the periodic summary process

EXISTS IN FILE/TABLE

PWSIF	SAF	VEF	PWS TABLE	EAF	REGS	OPER & MAIL	VIOLATIONS	METHODS	DEVIATIONS	MSIS HISTORY
	X									

INPUT/OUTPUT TO SUBSYSTEMS

PWSI	COMPLY	V & E	FEDR		ENFORCE	REGS	MAIL	SURVEY
	X		X					

EPA REPORTING YES

VALUES:
0 - NO
1 - YES
9 - UNKNOWN

EDITS AND VALIDATIONS:

On input, the YES/NO values are positionally identified by a non-space character.

COMMENTS:

The value 9 = UNKNOWN is assigned when a record is created by the periodic summary process.

When there was no need to notify the public, the value on input must be 1 = YES to indicate that there was no violation.

DATA ELEMENT DESCRIPTION

DATE: 4/15/76 REVISION DATE __/__/__ REVISION NO. _ __ PAGE __OF__

PREPARED BY: AMERICAN MANAGEMENT SYSTEMS, INC.

DATA ELEMENT CATALOG. REF. 185	DATA ELEMENT MNEMONIC VIOLATE-STATE	DATA ELEMENT NAME VIOLATED STATE REGULATIONS

DESCRIPTION AND USE:

A flag indicating if a chemical sample result violates state's standards.

DATA TYPE: Numeric PICTURE: 9(1)	SUB FIELDS DESCRIPTION: None	STATUS RESERVED ☐ CURRENT ☒

SOURCE(S):

Created by the periodic summary process.

EXISTS IN FILE/TABLE

PWSIF	SAF	VEF	PWS TABLE	EAF	REGS	OPER & MAIL	VIOLATIONS	METHODS	DEVIATIONS	MSIS HISTORY
	X									

INPUT/OUTPUT TO SUBSYSTEMS

PWSI	COMPLY	V & E	FEDR		ENFORCE	REGS	MAIL	SURVEY
	X		X					

EPA REPORTING
J Yes

VALUES:

Ø - No
1 - Yes

EDITS AND VALIDATIONS:

None

COMMENTS:

None

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE: 4/15/76 REVISION DATE __/__/__ REVISION NO. ____ PAGE __OF__

PREPARED BY: AMERICAN MANAGEMENT SYSTEMS, INC.

DATA ELEMENT CATALOG. REF. 186	DATA ELEMENT MNEMONIC VIOLATE-FEDERAL	DATA ELEMENT NAME VIOLATED FEDERAL REGULATIONS

DESCRIPTION AND USE:

A flag to indicate if a chemical analysis result violates the federal regulations.

DATA TYPE: Numeric PICTURE: 9(1)	SUB FIELDS DESCRIPTION: None	STATUS RESERVED ☐ CURRENT ☒

SOURCE(S):

Created by the periodic summary process.

EXISTS IN FILE/TABLE

PWSIF	SAF	VEF	PWS TABLE	EAF	REGS	OPER & MAIL	VIOLATIONS	METHODS	DEVIATIONS	MSIS HISTORY
	X									

INPUT/OUTPUT TO SUBSYSTEMS

PWSI	COMPLY	V & E	FEDR		ENFORCE	REGS	MAIL	SURVEY
	X		X					

EPA REPORTING Yes

VALUES:

0 - No
1 - Yes

EDITS AND VALIDATIONS:

None

COMMENTS:

None

DATA ELEMENT DESCRIPTION

DATE: 4/15/76 REVISION DATE __/__/__ REVISION NO. ____ PAGE __OF__

PREPARED BY: AMERICAN MANAGEMENT SYSTEMS, INC.

DATA ELEMENT CATALOG. REF. 187	DATA ELEMENT MNEMONIC ALTERNATE-TREATMENT	DATA ELEMENT NAME ALTERNATE TREATMENT TECHNIQUE CODE

DESCRIPTION AND USE:

A code describing an alternate treatment technique that a PWS may use instead of an approved treatment technique.

DATA TYPE: Numeric PICTURE: 9(3)	SUB FIELDS DESCRIPTION: None	STATUS RESERVED [ ] CURRENT [X]

SOURCE(S): State personnel responsible for maintaining the VEF.

EXISTS IN FILE/TABLE

PWSIF	SAF	VEF	PWS TABLE	EAF	REGS	OPER & MAIL	VIOLATIONS	METHODS	DEVIATIONS	MSIS HISTORY
		X							X	

INPUT/OUTPUT TO SUBSYSTEMS

PWSI	COMPLY	V & F	FEDR		ENFORCE	REGS	MAIL	SURVEY
		X						

EPA REPORTING _____

VALUES:

See Treatment Technique Code Table in Exhibit IV.4.

EDITS AND VALIDATIONS:

1. Value must be numeric.
2. If not zero, then it must be present in the table.

COMMENTS:

None.

MODEL STATE INFORMATION SYSTEM
DATA ELEMENT DESCRIPTION

DATE: 4 / 15 / 76 REVISION DATE __/__/__ REVISION NO. ____ PAGE __OF__

PREPARED BY: AMERICAN MANAGEMENT SYSTEMS, INC.

DATA ELEMENT CATALOG. REF. 188	DATA ELEMENT MNEMONIC REPEAT-EVERY	DATA ELEMENT NAME REPEATING MILESTONE FREQUENCY

DESCRIPTION AND USE:

This data element is used in a Variance or Exemption record to indicate a repeating milestone (such as public notification) and its frequency.

DATA TYPE: Numeric PICTURE: 9(2)	SUB FIELDS DESCRIPTION: None	STATUS RESERVED ☐ CURRENT ☒

SOURCE(S): State personnel responsible for maintianing the VEF.

EXISTS IN FILE/TABLE										
PWSIF	SAF	VEF	PWS TABLE	EAF	REGS	OPER & MAIL	VIOLATIONS	METHODS	DEVIATIONS	MSIS HISTORY
			X							

INPUT/OUTPUT TO SUBSYSTEMS								
PWSI	COMPLY	V & E	FEDR		ENFORCE	REGS	MAIL	SURVEY
		X						

EPA REPORTING No. ____

VALUES: Zero - milestone is not repeating
Non-zero - The maximum number of months that may elapse between two occurrences of the milestone.

EDITS AND VALIDATIONS:

Must be numeric

COMMENTS:

None

MODEL STATE INFORMATION SYSTEM
DATA ELEMENT DESCRIPTION

DATE: 4/15/76 REVISION DATE __/__/__ REVISION NO. ____ PAGE __OF__

PREPARED BY: AMERICAN MANAGEMENT SYSTEMS, INC.

DATA ELEMENT CATALOG. REF. 189	DATA ELEMENT MNEMONIC CERTIFICATE-NUM	DATA ELEMENT NAME NUMBER OF CERTIFICATE

DESCRIPTION AND USE:

This data element is the number of the certificate awarded to a certified operator of a PWS.

DATA TYPE: A/N PICTURE: X(7)	SUB FIELDS DESCRIPTION: None	STATUS RESERVED ☐ CURRENT ☒

SOURCE(S):

Copy of the original certificate.

EXISTS IN FILE/TABLE

PWSIF	SAF	VEF	PWS TABLE	EAF	REGS	OPER & MAIL	VIOLATIONS	METHODS	DEVIATIONS	MSIS HISTORY
						X				

INPUT/OUTPUT TO SUBSYSTEMS

PWSI	COMPLY	V & E	FEDR		ENFORCE	REGS	MAIL	SURVEY
							X	

EPA REPORTING No

VALUES:

Non blank

EDITS AND VALIDATIONS:

May not be blank

COMMENTS:

None

MODEL STATE INFORMATION SYSTEM
DATA ELEMENT DESCRIPTION

DATE: 4 / 15 / 76 REVISION DATE __/__/__ REVISION NO. ____ PAGE __OF__

PREPARED BY: AMERICAN MANAGEMENT SYSTEMS, INC.

DATA ELEMENT CATALOG. REF. 190	DATA ELEMENT MNEMONIC OPERATOR-CLASS	DATA ELEMENT NAME OPERATOR CLASS

DESCRIPTION AND USE:

Six different classes are provided in a Certified Operator record. Each of these may be broken down to sub-classes.

DATA TYPE: A/N PICTURE: X(1)	SUB FIELDS DESCRIPTION: Repeats 6 times.	STATUS RESERVED ☐ CURRENT ☒

SOURCE(S):

State personnel responsible for operator certification.

EXISTS IN FILE/TABLE											
PWSIF	SAF	VEF	PWS TABLE	EAF	REGS	OPER & MAIL	VIOLATIONS	METHODS	DEVIATIONS	MSIS HISTORY
						X				

INPUT/OUTPUT TO SUBSYSTEMS								
PWSI	COMPLY	V & E	FEDR		ENFORCE	REGS	MAIL	SURVEY
							X	

EPA REPORTING No

VALUES:

To be defined by each state during implementation.

EDITS AND VALIDATIONS:

Must be in accordance with the above definition.

COMMENTS:

A state may have to modify the code of the applicable data entry program.

MODEL STATE INFORMATION SYSTEM
DATA ELEMENT DESCRIPTION

DATE: 4 /15/ 76 REVISION DATE __/__/__ REVISION NO. ____ PAGE __OF__

PREPARED BY: AMERICAN MANAGEMENT SYSTEMS, INC.

DATA ELEMENT CATALOG. REF. 191	DATA ELEMENT MNEMONIC RENEWAL-DATE	DATA ELEMENT NAME CERTIFICATION RENEWAL DATE

DESCRIPTION AND USE:

This data element is used to indicate the date on which the operator certificate or authorization must be renewed. This is used by states which prefer to print computerized renewal cards.

DATA TYPE: NUMERIC PICTURE: 9(5). 9(6)	SUB FIELDS DESCRIPTION: On input: MMDDYY On file: YYNNN (Julian)	STATUS RESERVED ☐ CURRENT ☒

SOURCE(S):

State personnel responsible for operator certification

XISTS IN FILE/TABLE

PWSIF	SAF	VEF	PWS TABLE	EAF	REGS	OPER & MAIL	VIOLATIONS	METHODS	DEVIATIONS	MSIS HISTORY
						X				

INPUT/OUTPUT TO SUBSYSTEMS

PWSI	COMPLY	V & E	FEDR		ENFORCE	REGS	MAIL	SURVEY
							X	

EPA REPORTING No

VALUES:

A valid date.

EDITS AND VALIDATIONS:

1. Must be a valid date
2. Must be later than processing date.

COMMENTS:

None

MODEL STATE INFORMATION SYSTEM

DATA ELEMENT DESCRIPTION

DATE: 6/15/76 REVISION DATE __/__/__ REVISION NO. ____ PAGE __OF__

PREPARED BY: AMERICAN MANAGEMENT SYSTEMS, INC

DATA ELEMENT CATALOG. REF.	DATA ELEMENT MNEMONIC	DATA ELEMENT NAME
192	CONSENT-ORDER-NO	CONSENT ORDER NUMBER

DESCRIPTION AND USE:

Number of consent order, when applicable to an enforcement action case.

DATA TYPE	SUB FIELDS DESCRIPTION:	STATUS
A/N		RESERVED ☐
PICTURE: X(7)	N/A	CURRENT ☒

SOURCE(S):

Enforcement action documents

EXISTS IN FILE/TABLE

PWSIF	SAF	VEF	PSW TABLE	EAF	REGS	OPER & MAIL	VIOLATIONS	METHODS	DEVIATIONS	MSIS HISTORY
				x						

INPUT/OUTPUT TO SUBSYSTEMS

PWSI	COMPLY	V & E	FEDR		ENFORCE	REGS	MAIL	SURVEY
					x			

EPA REPORTING No

VALUES:

None

EDITS AND VALIDATIONS:

None

COMMENTS:

A state may specify its own edit rules.

MODEL STATE INFORMATION SYSTEM
DATA ELEMENT DESCRIPTION

DATE: 6/15/76 REVISION DATE __/__/__ REVISION NO. ____ PAGE __OF__

PREPARED BY: AMERICAN MANAGEMENT SYSTEMS, INC.

DATA ELEMENT CATALOG. REF.	DATA ELEMENT MNEMONIC	DATA ELEMENT NAME
193	CONSENT-ORDER-DATE	CONSENT ORDER DATE

DESCRIPTION AND USE:

Date of a consent order, when applicable to an enforcement

DATA TYPE	SUB FIELDS DESCRIPTION	STATUS
Numeric	On input: MMDDYY On file: YYnnn	RESERVED [x] CURRENT [x]
PICTURE: 9(6),9(5)		

SOURCE(S):

Enforcement action documents

EXISTS IN FILE/TABLE											
PWSIF	SAF	VEF	PSW TABLE	EAF	REGS	OPER & MAIL	VIOLATIONS	METHODS	DEVIATIONS	MSIS HISTORY
x											

INPUT/OUTPUT TO SUBSYSTEMS								
PWSI	COMPLY	V & E	FEDR		ENFORCE	REGS	MAIL	SURVEY

EPA REPORTING N/A

VALUES:

A valid date.

EDITS AND VALIDATIONS:

A valid date, must be earlier then processing date.

COMMENTS:

None

MODEL STATE INFORMATION SYSTEM
DATA ELEMENT DESCRIPTION

DATE: 1/7/76 REVISION DATE __/__/__ REVISION NO. ____ PAGE __OF__

PREPARED BY: AMERICAN MANAGEMENT SYSTEMS, INC.

DATA ELEMENT CATALOG. REF. 194	DATA ELEMENT MNEMONIC PERMIT-NO	DATA ELEMENT NAME PERMIT NUMBER

DESCRIPTION AND USE:

Number of the permit usual by the state to operate a PWS. One enforcement action is to revoke a permit.

DATA TYPE: A/N PICTURE: X(7)	SUB FIELDS DESCRIPTION: None	STATUS RESERVED ☐ CURRENT ☒

SOURCE(S):

PWS documents

EXISTS IN FILE/TABLE

PWSIF	SAF	VEF	PSW TABLE	EAF	REGS	OPER & MAIL	VIOLATIONS	METHODS	DEVIATIONS	MSIS HISTORY
				x						

INPUT/OUTPUT TO SUBSYSTEMS

PWSI	COMPLY	V & E	FEDR		ENFORCE	REGS	MAIL	SURVEY
					x			

EPA REPORTING: No

VALUES:

None

EDITS AND VALIDATIONS:

None

COMMENTS:

None

MODEL STATE INFORMATION SYSTEM
DATA ELEMENT DESCRIPTION

DATE: 1/7/76 REVISION DATE __/__/__ REVISION NO. ____ PAGE __OF__

PREPARED BY: AMERICAN MANAGEMENT SYSTEMS, INC.

DATA ELEMENT CATALOG. REF. 195	DATA ELEMENT MNEMONIC PERMIT-DATE	DATA ELEMENT NAME PERMIT DATE

DESCRIPTION AND USE:

Date when a permit to operate a PWS was issued.

DATA TYPE: Numeric PICTURE: 9(6),9(5)	SUB FIELDS DESCRIPTION: On input: MMDDYY On file: YYnnn None	STATUS RESERVED ☐ CURRENT ☒

SOURCE(S):

PWS documents

EXISTS IN FILE/TABLE

PWSIF	SAF	VEF	PSW TABLE	EAF	REGS	OPER & MAIL	VIOLATIONS	METHODS	DEVIATIONS	MSIS HISTORY
				x						

INPUT/OUTPUT TO SUBSYSTEMS

PWSI	COMPLY	V & E	FEDR		ENFORCE	REGS	MAIL	SURVEY
					x			

EPA REPORTING No

VALUES:

A valid date.

EDITS AND VALIDATIONS:

A valid date, must be earlier than processing date.

COMMENTS:

None